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Elevators & Escalators

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ISUZUEE
Elevators & Escalators

SERIES V

ISUZU SERIES V

ISUZUEE ELEVATORS & ESCALATORS

ISUZUEE
Elevators + Escalators
日本

V SERIES

TOKYO - JAPAN

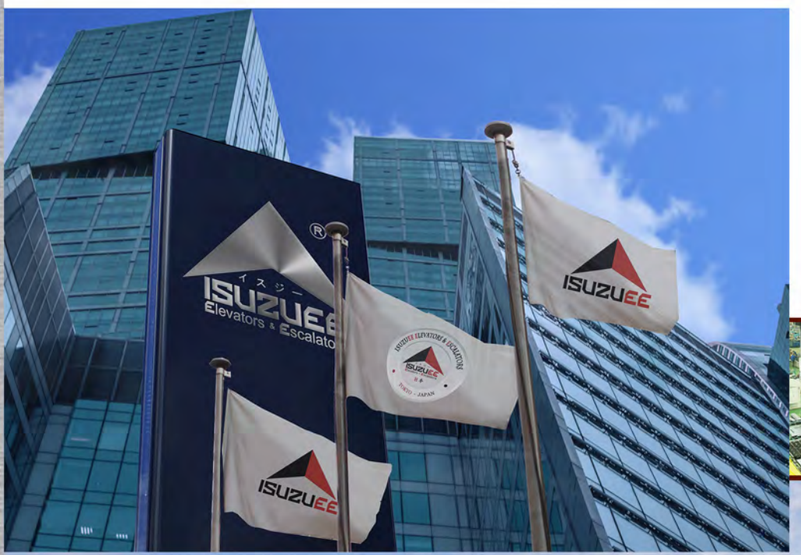
ISUZU ELEVATORS & ESCALATORS

THE LEADER IN VALUE

ISUZUEE
Elevators & Escalators

It is with great pleasure that ISUZU EE (Elevators and Escalators) introduces this catalog. Our clients, employees and distributors are truly our greatest assets, and each group plays an important role on our winning team.
This catalog contains general information to give you a brief and simplified overview of our company. It is impossible to cover in detail all the information you may need, and we urge you to contact us for exact information directly related to your project. We want to help.
If you are looking for the best elevator value on earth, congratulations, and welcome to our world.

OUR ROOTS



ISUZU Elevtors & Escalators

ISUZU EE is a Japanese integrated elevator and escalator manufacturer with a wide range of operations including: manufacturing, installing, servicing, maintenance, and equipment upgrading and reconditioning. ISUZU EE headquarters is located in Tokyo in the international business district of Kamiyacho, Shiroyama Trust Tower.
To be more competitive, ISUZU EE has extensively invested in the development of its Production Base in China to manufacture specific and exclusive ISUZU-EE components. The Production Center is under the direct supervision of ISUZU-EE in Japan and follow its strict specifications and standards. In line with our commitment to provide our distributors in the Middle East with unparalleled service, ISUZU EE established a distribution regional office in Lebanon to serve our consumers and exclusive distributors in the Middle East, Africa and the Persian Gulf area.

V-SERIES TECHNOLOGY

ISUZU EE new V-Series is acquiring the best quality products for the best possible price. At the core, this is exactly what we are all about. Our products are becoming a global player in the vertical transportation industry by providing elevators and escalators that are superior in value. ISUZU EE is proud to announce the launch of its performance V-series products with extreme value that positions the entire series on notice. As is evident from our slogan "A Leader in Value", the ISUZU EE V-Series is the embodiment of superior quality and is a first-of-its-kind in the affordable luxury category combined in one product series. In fact, the ISUZU EE high value, V-series, marks a paradigm shift in our industry for its superior value in the world!

Quality

Quality is part of everything ISUZU EE does because we ensure that we don't just meet the world's strictest quality standards, we do our best to exceed them. Starting with hand-selecting the right engineers to undertaking the design, right through manufacturing, and delivery. Our quality PMSM motors with built-in brakes, for example, are proven to reduce maintenance. You will even feel the ISUZU EE superior quality in the operation of our products through the formidable package of world-class active and passive features on board every elevator or escalator. We believe that continuous improvement is the key principle that guides us in our commitment to deliver quality products. This is the ISUZU-EE quality which you can see, hear and experience all at the same time. Quality is simply everywhere.

Performance

ISUZU EE chooses to produce products that combine the many facets of performance to create extraordinary smart products. Our superior artificial intelligent LSI, integrated digital control circuitry, enables for accurate control of the traction motor during acceleration and deceleration. Full-scale testing facilities help us build smart, solid and safer products and systems. ISUZU EE performance is clear in its gearless technology. It provides lower power consumption, durable inverter technology and the list will continue to grow. Breakthroughs such as our patented technologies, open up new possibilities and offer real solutions to problems in our societies.

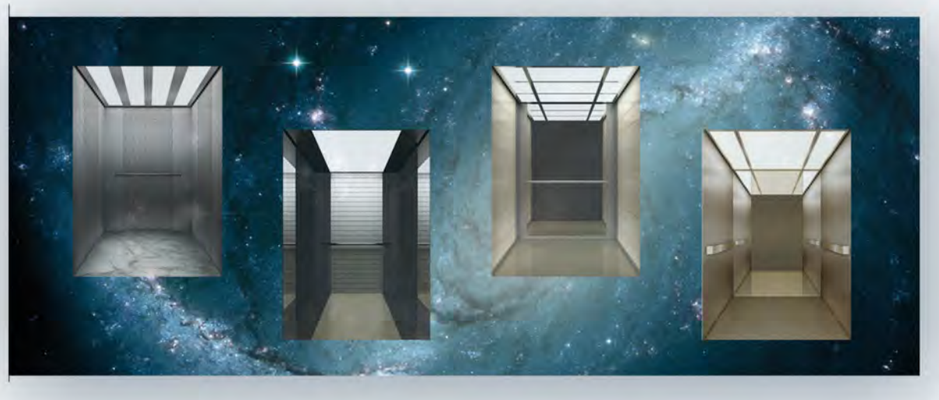
Green Technology

ISUZU EE strives to be green in all of its business activities. From permanent magnet motors to LED lighting, we are focused to reduce the carbon footprint of our products and the negative effects on air, water and soil. For example, the gearless traction machine with our new PMSM, permanent magnet motor, is optimized to dramatically reduces the level of energy by up to 40%. Today our fine technology incorporates the very best environmental practices and adopts a holistic approach, implementing sustainability throughout the value chain. To realize our environmental goals, we promote activities such as collecting old products for re-use or recycling.

V-SERIES TECHNOLOGY

SAFETY

Everyone expects the best when it comes to safety and that is why we are always overprotective. ISUZU EE is devoted to creating superior safety standards (EN81) to provide you with exclusive new breakthroughs. This includes our innovative door operation system which adopts multi-beam sensors and a highly efficient microcomputer to detect the variations on each floor. It automatically adjusts the speed and the torque of our doors to operate in optimal safety. ISUZU-EE strives for constant improvement in everything we manufacture. True to our heritage, our products are engineered to protect you at all times..



Smart Technology

The ISUZU EE approach to design mandates that the highest levels of engineering precision go into every aspect of our products. We apply advanced tools such as our new IPU (Integrated Power Unit) to our VVVF/PMW inverters, to develop new technologies. Our company consistently plays a leading role in the invention of new products with improved performances and increased user convenience. Smart elevator technology is now becoming the standard due to its destination dispatch machinery and access control systems that significantly enhance the operating speed of our elevators. Smart elevators reduce the waiting time of passengers and-provide improved security via access control systems. In other words, smart ISUZU EE elevators know where you're going and the quickest way to get there, eliminating endless waits and crowded cars that stop at every floor.

Design

We aim to reach far beyond the surface. ISUZU EE sophisticated design must suit the various needs of our clients and, at the same time, leave you with a pleasant impression. Together with some of the world's best engineers, ISUZU EE's team of designers devote themselves to the craft of elevator and escalator making. And what we produce are products that not only look great but also perform great under the toughest measures. Our design department has succeeded to optimally organize our products for performance and elegance

HIGH SPEED ELEVATORS

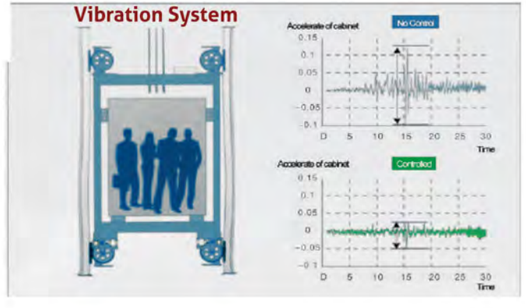
Fast, safe, & comfortable

ISUZU EE high speed elevators can reach a speed of 4 m/sec with enhanced efficiency, comfort and safety. The new V-Series technology and machinery focuses on enhanced drive and controllability, safety, super high-rise cable mechanics and passenger comfort. The new active roller guide reduces vibration from the guide rails and wind, and ensures passenger comfort even at high speed. The inside of the car is extra-quiet due to a streamlined aerodynamic car cover, and a highly effective sound insulation for increased comfort.

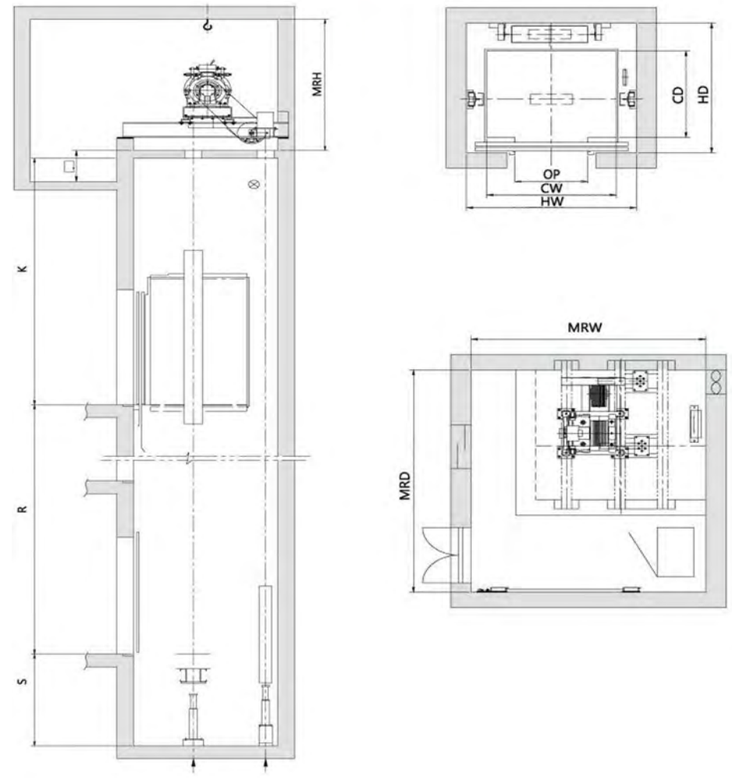
High Speed Specifications

Target market	The medium & high grade of the commercial buildings
Control system	VVVF
Traction machine	Permanent magnet synchronous & gearless
Door machine	VVVF door machine
Net car height	2800mm
Rated load(kg)	1050/1150/1250/1350/1600/2000
Rated speed (m/s)	2.5, 3.0, 4. 0, 5.0, 6.0, 7.0
Max. lifting height (m)	120/150/180/220/260/300
Max. group supervision NO.	8

Vibration System



Construction Sketch



Load	Speed	Car Dimension			Hoistway Dimension				Max No. of Stops	Max Travel (m)	Min Span Between Various Floors (m)	Power KW	Distance of Bracket Guide Rail (mm)
DL (kg)	V (m/s)	CW (mm)	CD (mm)	OP (mm)	Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)					
800	2.0	1400	1350	800	1900	2050	1750	4700	40	120	2.7	13.5	2000
	2.5						1950	4900	40	130		16.8	
	3.0						3600	5600	35	118	3.3	16.5	
	4.0						3800	5800	50	165		22.1	
1000	2.0	1600	1400	900	2100	2100	1750	4700	40	120	2.7	13.5	
	2.5						1950	4900	40	130		16.8	
	3.0						3600	5600	35	118	3.3	19.7	
	4.0						3800	5800	50	165		26.3	
1150	2.0	2000	1350	1100	2500	2100	1750	4700	40	120	2.7	16.9	
	2.5						1950	4900	40	130		21.3	
	3.0						3600	5600	35	118	3.3	22.3	
	4.0						3800	5800	50	165		30.1	
1350	2.0	2000	1500	1100	2500	2200	1750	4700	40	120	2.7	18.4	
	2.5						1950	4900	40	130		23.2	
	3.0						3600	5600	35	118	3.3	27.2	
	4.0						3800	5800	50	165		36.2	
1600	2.0	2000	1700	1100	2500	2400	1750	4700	40	120	2.7	21.8	
	2.5						1950	4900	40	130		27.5	
	3.0						3600	5600	35	118	3.3	33	
	4.0						3800	5800	50	165		53.3	

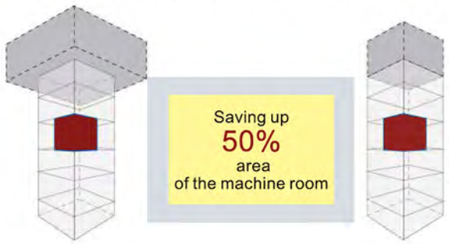
Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

SMALL MACHINE ROOM-LESS

Passenger Elevators

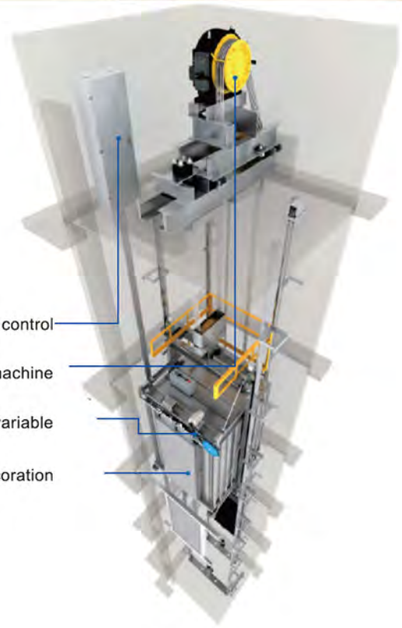
Cost Effective

The ISUZU EE V-series machine-room-less (MRL) elevator allows the building to be free from a machine room construction on the roof, and provides more flexibility in building design. ISUZU EE's newly designed permanent magnet synchronous motors (PMSM) allow the machines to be positioned over the hoistway, thus eliminating the need for a machine room. Our MRL solution allows owners to save on construction, materials and energy.

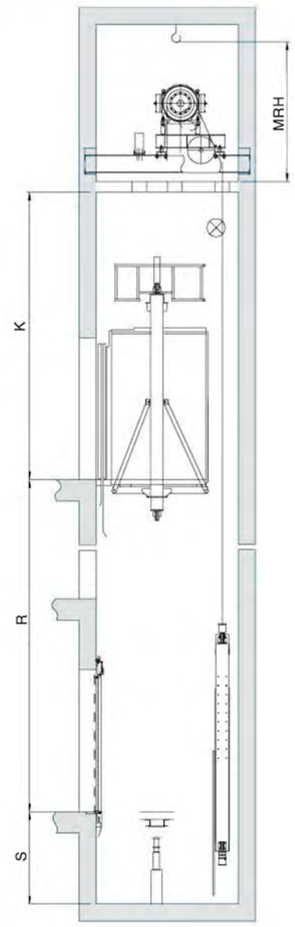


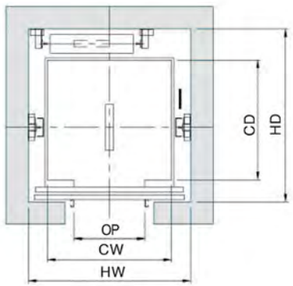
Machine room of the ordinary elevator

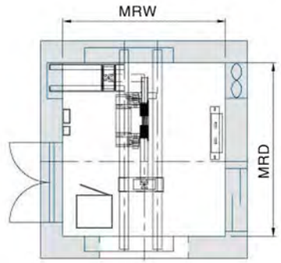
Machine room in small machine room elevator



Construction Sketch





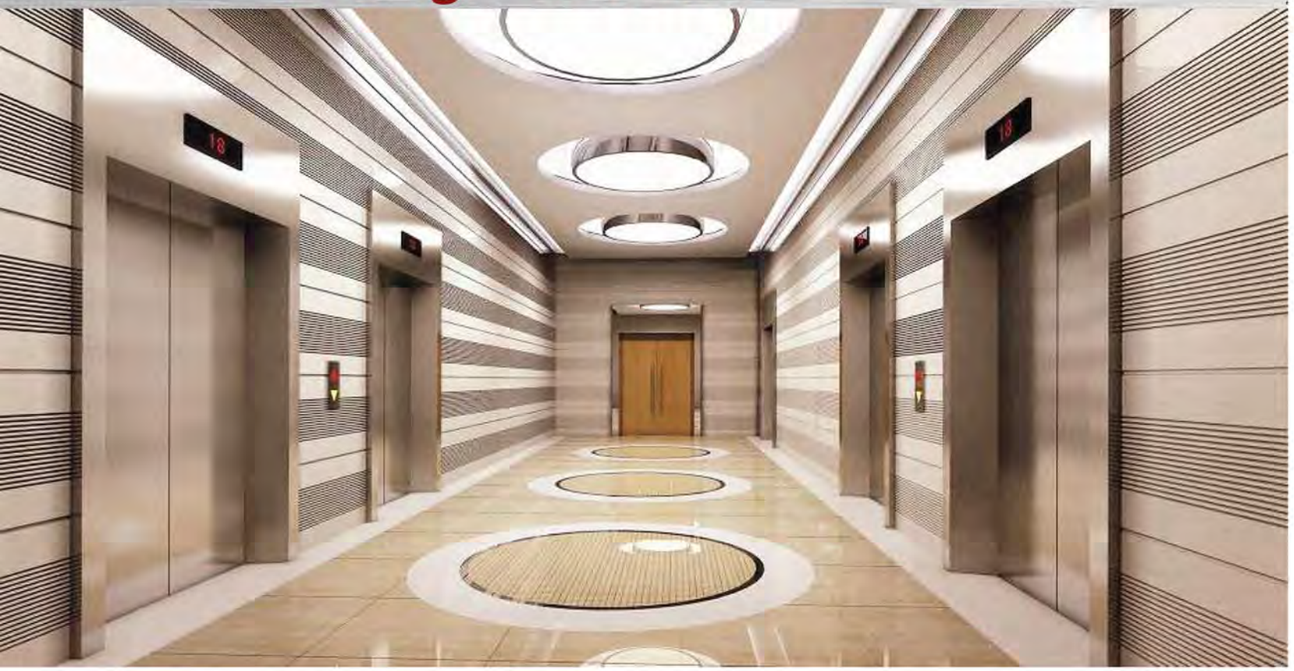


Load	Speed	Car Dimension			Hoistway Dimension				Max No. of Stops	Max Travel (m)	Min Travel (m)	Min Span Between Various Floors	Power KW	Distance of Bracket Guide Rail (mm)
DL (kg)	V (m/s)	CW (mm)	CD (mm)	OP (mm)	Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)						
630	1	1400	1100	800	1830	1700	1500	4350	20	60	5	2.7	4.6	2500
	1.5						1600	4500	24	75	6		6.9	
	1.75							4550	30	90	7		8.1	
800	1	1400	1350	800	1830	1950	1500	4350	20	60	5		5.5	
	1.5						1600	4500	24	75	6		8.3	
	1.75							4550	30	90	7		9.7	
1000	1	1600	1400	900	2050	2000	1500	4350	20	60	5		6.7	2000
	1.5						1600	4500	24	75	6		10	
	1.75							4550	30	90	7		11.7	
1150	1	2000	1350	1100	2500	2100	1550	4350	20	60	5		8.7	
	1.5						1600	4500	24	75	6		12.8	
	1.75						1650	4550	30	90	7		14.8	
1350	1	2000	1500	1100	2500	2150	1550	4350	20	60	5		9.3	
	1.5						1600	4500	24	75	6		13.9	
	1.75						1650	4550	30	90	7		16.1	
1600	1	2000	1700	1100	2500	2350	1550	4350	20	60	5		11	
	1.5						1600	4500	24	75	6		16.4	
	1.75						1650	4550	30	90	7		19.2	

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

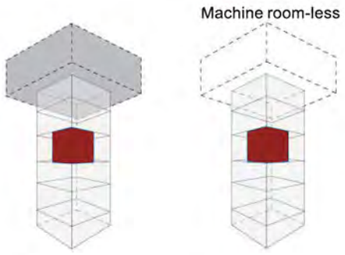
MACHINE ROOM-LESS

Passenger Elevators



Latest Technology

The ISUZU EE machine room-less elevator combines performance, flexibility and design, which makes it ideal for commercial, and mid to high-end residential buildings. Machine room-less (MRL) configurations save valuable building space, shorten installation time and reduce power consumption. The V- Series utilizes advanced microcomputer technology with IGBT (Insulated Gate Bipolar Transistor), which combines high efficiency and fast switching. The result is a sophisticated computer-designed control that uses artificial intelligence to handle all building traffic demands, 24 hours a day.



Machine room of the ordinary elevator

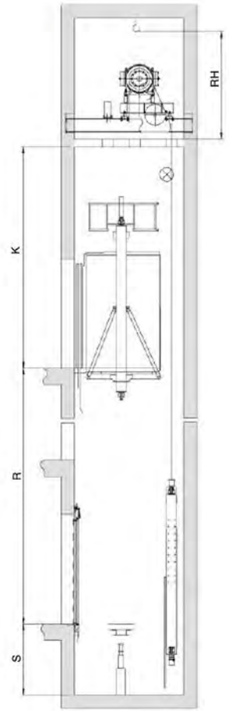
Machine roomless elevator

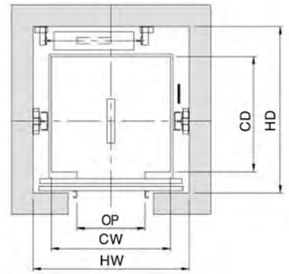
Wells optimal design has effectively save 10% construction areas.

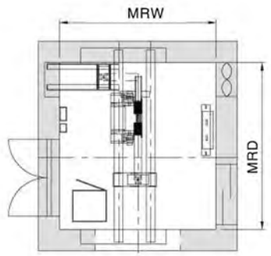
Being equipped with green drive and energy conservation devices, energy conservation has reached 30%.

Machine roomless concept makes the design of building more free and comfortable.

Construction Sketch







Load	Speed	Car Dimension			Hoistway Dimension				Max No. of Stops	Max Travel (m)	Min Travel (m)	Min Span Between Various Floors	Power KW	Distance of Bracket Guide Rail (mm)
DL (kg)	V (m/s)	CW (mm)	CD (mm)	OP (mm)	Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)						
630	1	1100	1400	700	1900	1800	1500	3950	20	60	5	2.7	4.6	2000
	1.5						1600	4100	24	75	6		6.8	
	1.75						1700	4200	30	90	7		7.9	
800	1	1350	1400	800	2200	1800	1500	3950	20	60	5		5.5	
	1.5						1600	4100	24	75	6		8.8	
	1.75						1700	4200	30	90	7		9.6	
	2						1700	4500	40	120	7		11	
	2.5						1900	4700	40	130	8		13.8	
1000	1	1600	1400	900	2400	1800	1500	3950	20	60	5		6.7	
	1.5						1600	4100	24	75	6		10	
	1.75						1700	4200	30	90	7		11.7	
	2						1700	4500	40	120	7		13.1	
	2.5						1900	4700	40	130	8		16.4	
1150	1	1700	1500	1100	2750	2000	1500	4250	20	60	5		7.5	
	1.5						1600	4300	24	75	6		11.3	
	1.75						1700	4400	30	90	7		13.2	
	2						1700	4500	40	120	7		15	
	2.5						1900	4700	40	130	8		18.8	
1350	1	2000	1500	1100	2950	2000	1500	4250	20	60	5		9	
	1.5						1600	4300	24	75	6		13.5	
	1.75						1700	4400	30	90	7		15.8	
	2						1700	4500	40	120	7		18.1	
	2.5						1900	4700	40	130	8		22.5	
1600	1	2000	1700	1100	2950	2100	1500	4250	20	60	5		11.1	
	1.5						1600	4300	24	75	6		16.5	
	1.75						1700	4400	30	90	7		18.5	
	2						1700	4500	40	120	7		22	
	2.5						1900	4700	40	130	8		27	

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

PANORAMIC ELEVATORS

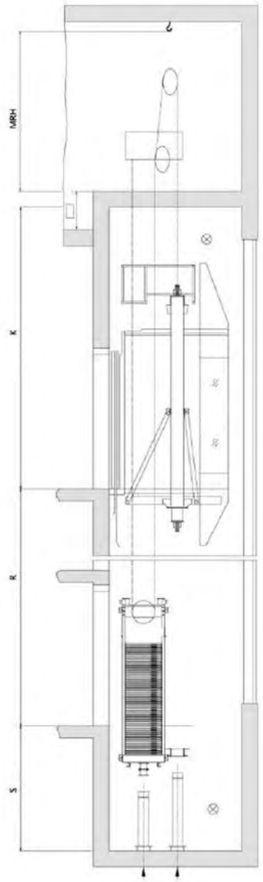
Elegant & efficient

ISUZU EE Panoramic Elevators are used in a wide variety of buildings, from office buildings, hotels and retail centers, to transportation stations and airports. Our designs comply with modern building requirements and luxurious department stores, and offer breathtaking views of the surroundings. With attractive cabin shapes, ISUZU EE panoramic elevators help passengers to move between floors, enjoying the panoramic view of the building space, with very comfortable ride.

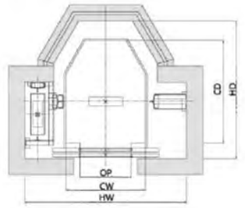
Combined with the latest V-Series technology, ISUZU EE panoramic elevators ensure efficient gearless drives using Permanent Magnet Synchronous Motors, and Space Vector Control Inverters with Intelligent power modules. Our value series offers a high-quality ride comfort using optimum speed S-curves with digital control to handle various building traffic patterns.

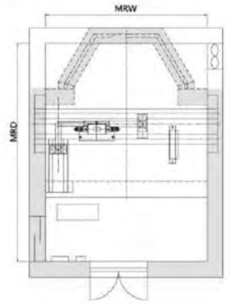
ISUZU EE Panoramic elevators are the result of intensive development involving design and technology to produce savings from machine room-less designs, with low energy and operating efficiency that sets new standards. ISUZU EE professionals are specially trained to work with project architects to develop completely unique car designs to help you to realize your vision.

Construction Sketch

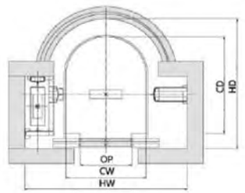


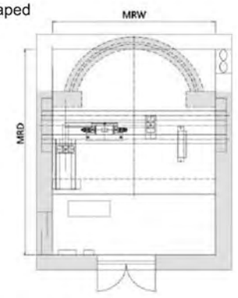
Cutting-angle-type



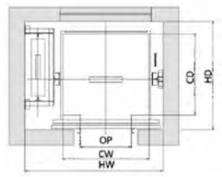


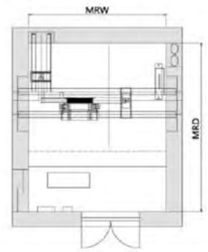
Semi-circular shaped





Panoramic / Square shaped





Rated Speed	Overhead Height (K)	Min Pit Depth (S)		Min Height of Machine Room
		Semi-circular and Cutting-angle	Square and Panoramic type	
1	4400	1950	1800	2500
1.5	4550	2000	1900	2500
1.75	4600	2050	1990	2500
2	4700	2000	2300	2500
2.5	4900	2500	2150	2500

Load (KG)	Hoistway Size				
	Min Width (mm)	Max Width (mm)	Min Depth (mm)		Door-open Size (mm)
800	2400	2700	2080	1950	800x2100
10100	2500	2800	2330	2150	900x2100
1150	2550	2850	2430	2250	900x2100
1350	2750	3050	2430	2250	900x2100
1600	2750	3050	2730	2250	900x2100

Cutting-angle type
Semi-circular type
Square type

Note: Reference only, for detail information, please contact ISUZU elevator.

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

HOSPITAL ELEVATORS

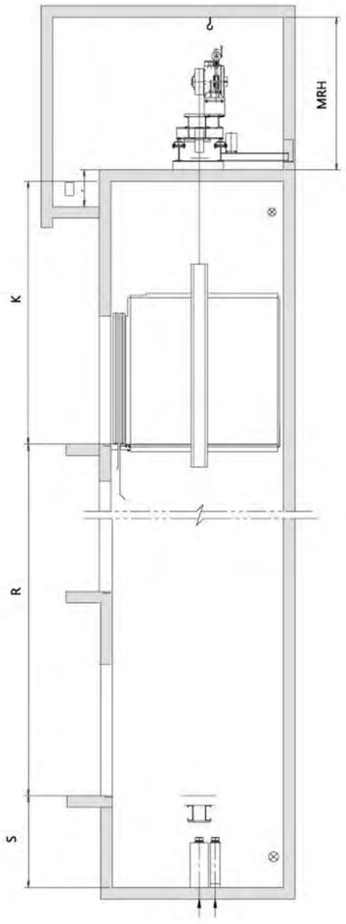
Reliable & Safe

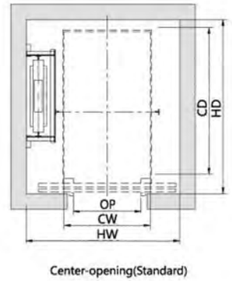
ISUZU EE Hospital Elevators (bed lifts) are regarded as a supreme medical appliance, and valued as a partner having earned the confidence of major hospitals around the world. ISUZU EE elevators are designed to ensure efficient elevator operation to meet every hospital need. The spacious and durable cars, smooth and comfortable travel, effective stop, push-down button control, emergency control features and above all, reliability and safety are features that distinguish ISUZU EE Elevators from other lifts.

ISUZU EE V-Series elevators deliver the very best value to satisfy the different operational requirements of any medical facility. Our elevators are equipped with all the necessary basic functions, and adopt a newly-enhanced intelligent control system. The motor is controlled by our VVVF system, which maximizes power efficiency, and makes it possible to reduce the need (by more than 50%) for a building to have a power facility (for elevators).

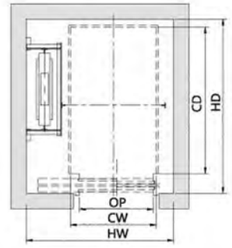
Ceiling: SN-CC-525 style stainless steel frame,
Acrylic top panel & lighting decoration
Ventilation: Axial fan
Car wall : Hairline s ainless steel
Handrail: SN-CH-711
Floor: SN-CF-606

Construction Sketch

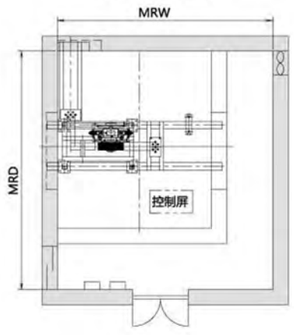




Center-opening(Standard)



Side-opening(Optional)



Standard

Load DL (kg)	Speed V (m/s)	Car Dimension CW (mm)	CD (mm)	OP (mm)	Hoistway Dimension Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)	Max No. of Stops	Max Travel (m)	Min Span Between Various Floors	Power KW	Distance of Bracket Guide Rail (mm)
1600	1	1400	2400	1100 (center-opening)	2500	2850	1500	4300	20	60	2.7	11	2000
	1.5						1600	4400	24	72		16.4	
	1.75						1600	4500	30	90		19.2	
	2.0						1700	4700	30	90		22	
	2.5						2000	5100	38	150		27.5	

Optional

Load DL (kg)	Speed V (m/s)	Car Dimension CW (mm)	CD (mm)	OP (mm)	Hoistway Dimension Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)	Max No. of Stops	Max Travel (m)	Min Span Between Various Floors	Power KW	Distance of Bracket Guide Rail (mm)
1600	1	1400	2400	1200 (side-opening)	2400	2850	1500	4300	20	60	2.7	11	2000
	1.5						1600	4400	24	72		16.4	
	1.75						1600	4500	30	90		19.2	
	2.0						1700	4700	30	90		22	
	2.5						2000	5100	38	150		27.5	

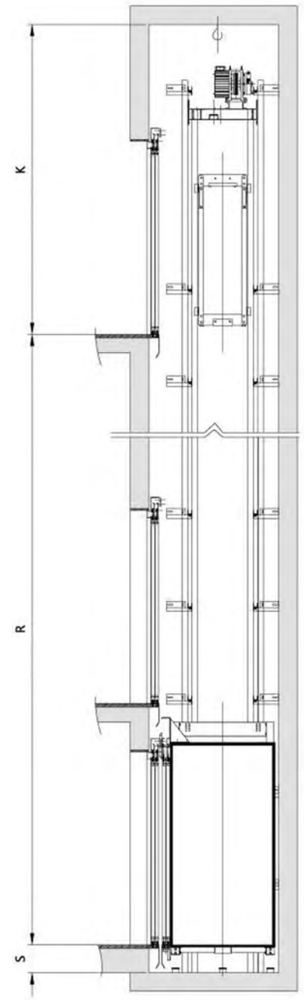
Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

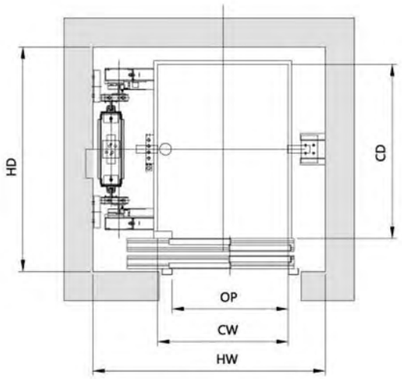
HOME ELEVATORS

Unique or classic

ISUZU EE Home Elevators has turned the luxury of owning a home elevator into a standard feature in today's houses. Residential elevators are used by young and old, the handicapped, and those that want to improve the interior of their home and its resale value. Whatever the status of your home, if you want a home lift to blend in with your décor and surroundings, and match the floor, walls and ceilings, or if you're looking for something unique or classic, ISUZU EE offers a wide variety of models including the Alift, a technology available solely from ISUZU EE.

Construction Sketch





Load	Speed	Position of Brackets	Car Dimension			Hoistway Dimension						Max No. of Stops	Max Travel (m)	Min Span Between Various Floors	Power KW	Distance of Bracket Guide Rail (mm)
DL (kg)	V (m/s)		CW (mm)	CD (mm)	OP (mm)	Min HW (mm)	Max HW (mm)	Min HD (mm)	Max HD (mm)	Min S (mm)	Min K (mm)					
250	0.4	By Side	800	1100	700	1450	1600	1450	1600	500	3000	4	12	2.6	2.2	1000
320	0.4	By Side	900	1200	800	1550	1700	1550	1700							
400	0.4	By Side	1000	1250	800	1650	1800	1600	1800							

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

ELEVATOR PANELS

ICD-180 STANDARD

Car Panels made of hair line s/s.
Suspended Cieling in hair line s/s and Acrylic.
Hand rail Tube shape in hair line s/s.
PVC Floor thickness 3.0 mm

COP 630

EH 630

EHD 630

HSET-J018 STANDARD

Arched top-plate, bright lighting

HSET-J019 STANDARD

Central LED luminous panel, LED down lamps on both sides

HP-E07 STANDARD

The Main floor is of the hairline stainless and other floors are powder painted.

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

ELEVATOR CARS

Passenger Elevators

ICD-190 Economic

Ceiling: HSET-JO19 style, stainless steel framework, acrylic lighting decoration
Car wall: Hairline, mirror, etching stainless steel
Car door: Hairline stainless steel
Handrail: HR-17
Floor: HSED-F07

ICD-108

ICD-109

ICD-110

ICD-147

ICD-139

ICD-166

ICD-170 STANDARD

Ceiling: HSET-JO20 style, titanium gold mirror panel, round LED energy-saving lamp
Car wall: Titanium gold stainless steel hairline, laminated glass mirror, horizontal strip, etched stainless steel
Car door: Titanium god hairline stainless steel
Floor: HSED-F08

ICD－111

ICD－119

ICD－120

ICD－127

ICD－171

ICD－172

ICD-185 luxury

Ceiling: HSET-JO21 style, Slack titanium gold mirror stainless steel central organic glass panel, yellow strip lamp
Car wall: Black titanium gold mirror stainless steel, etching
Car door Slack titanium gold mirror stainless steel
Handrail: HR-11
Floor: HSED-F11

ELEVATOR CARS

Panoramic Elevators

ISL-201

ISL-202

ISL-210

ISL-218 Economic

Car cover: Back enamel steel
Observation wall: Laminated glass
Decoration ceiling:Mirror stainless steel
Acrylic, dawn lamp
Car wall: Mirror stainless steel
Handrail: Stainless steel tube
Floor: HSED-F012

ISL-214 Standard

Car cover: Hairline stainless steel skirting creamy white 1/4 spherical outer cover
Observation wall: Detached transparent arc glass
peroration ceiling: Hairline stainless steel frame, organic lens, top panel
Car wail: Hairline stainless steel
Handrail: hound stainless steel mirror handrail
Floor: HSED-F012

ISL-203

ISL-211

ISL-212

ISL-217 Luxury

Car cover: Stepped pentagon steel plate baked enamel, decoration lamp
Observation wall: Safety laminated glass
Decoration ceiling: Central round acrylic ceiling lamp, down lamps on Goth sides
Car wall: Hairline stainless steel
Handrail:φ38 stainless steel tube
Floor: HSED-F012

ISL-204

ISL-205

ISL-206

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

OPERATION PANEL

HCP-100 Standard

Optional Liquid Crystal Display

LCD

LCD

Dot matrix

Optional Multimedia Display

Video TFT

TFT

TFT

Optional Button

MA024

MA033

MBT-HOP-F

MBT-HOP-G

HCP-101 Economic

HCP-102 Luxury

Arrival Gong

HYD-100 HYD-101 HYD-102 HYD-103

HCP-100 Standard

Panel: Hairline stainless steel
Mode of display: Multimedia display
Calling button:Round button

HCP-101 Economic

Panel: Stainless steel panel, aluminum allay side-frame
Mode of display: Dot matrix display
Calling button:Round button

HCP-102 Luxury

Panel: Mirror panel
Mode of display: Multimedia display
Calling button:Round button

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

LANDING DOORS

DP-3109 Economic

Landing door: Paint steel
Jamb:Paint steel

DP-300 Standard

Landing door: Mirror, etching stainless steel
Jamb: Hairline stainless steel

DP-338 Luxury

Landing door: Titanium gold, etching stainless steel
Jamb: Titanium gold stainless steel

Flooring Selection

HSED-F12

HSED-F13

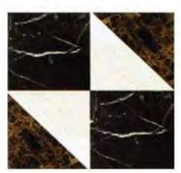
HSED-F14

HSED-F15

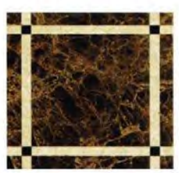
HSED-F16

HSED-F17

HSED-F18



HSED-F19



HSED-F20

HSED-F21

Color Selection

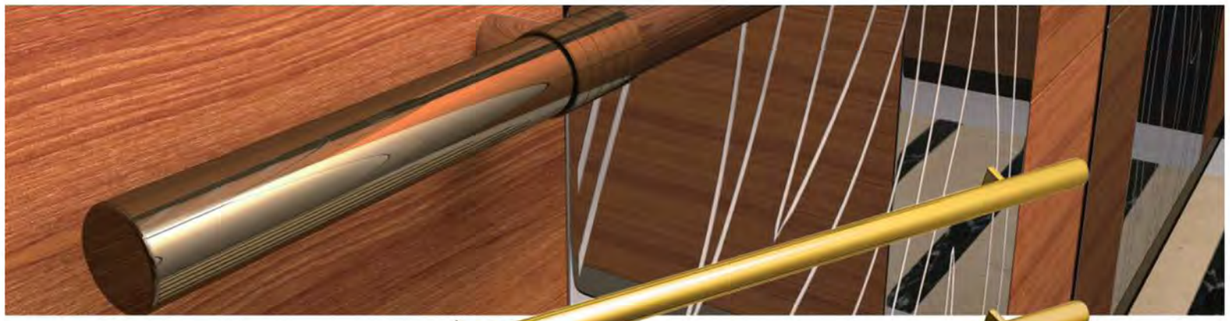
PAL7047	PAL7040	PAL1015	PAL7032	PAL5002	PAL5024	PAL6021	PAL3015
Ice gray	Plane gray	Corny yellow	Pebble gray	Ultramarine blue	Pastel blue	Light green	Light pink

Handrail Selection

HR-04

HR-17

HR-18



HR-G04

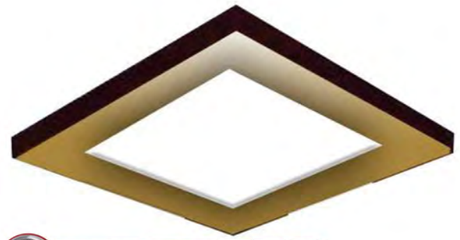
HR-G17

HR-70

HR-80

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

CEILING SELECTION



HSET-22 Standard

Crown gold baked enamel steel plate frame, acrylic top panel

HSET-J23 Standard

Stainless steel mirror carve and white transparent board with aluminum alloy frame

HSET-J24 Standard

Double-layer stainless steel mirror frame, creamy white fight-emitting

HSET-J25 Standard

Double arch white organic light-emitting panel, soft lighting design of central down lamp

HSET-J26 Standard

Mirror stainless steel, Central mufti-layer reflection, LED lighting

HSET-J27 Standard

Paint steel, acrylic arched panel, LED lighting

STANDARD FUNCTION

TRAVEL FUNCTION

VVVF Drive	Control motor speed to get smooth start, acceleration and accurate stop at level.
VVVF door operator	Control motor speed to get smooth door opening and closing.
Independent Running	Lift respond to car call through switch control in COP and cancel out side landing calls.
Auto – By Pass:	When car is carrying 80% of rated load, landing calls will be cancelled to prevent car crowding.
Door time adjustment	Door opening time can be adjusted in accordance to call responding from landing or cabin.
Door reopen	by pressing the landing push button the door re-opens.
Door close push button	Will force the door to close independent of the regular closing time.
Door open push button	Will force the door to re-open in case of pressing it.

SAFETY FUNCTION

Full height Photo detector	Force the door to re-open in case of obstacle or passenger pass during closing of the door.
Designated stop	The lift will go to another stop in case the door of the designated floor does not open.
Over load	In case of over load, the lift will stop with acoustic buzzer sound.
Anti – Stall protection	If the lift detect slipper in traction rope on machine, the lift will stop.
Start protection control:	The lift will cancel order if the car does not move from the door zone in pre-determined time.
Inspection operation	In case of inspection switch is on, the lift will move in 30% of its speed.
Fault self-diagnosis	The control will record the last 62 faults, to help in fixing and trouble shooting.
Repeated door closing	If the door cannot close due to any obstacle, the door will repeat closing and re-open.
Over run protection	lift travel time is pre-adjusted in controller; incase time is exceeded, the lift stops functioning.
UP-Down over speed protection	If the car speed exceeds 20% of its rated value, the speed governing will stop the car in progressive way and cut off the elevator's electric current.

LOP & COP FUNCTION

Micro touch buttons	Soft touch presses the micro switch, to give order with self illuminated LED registry light.
Floor direction	Inside COP and LOP2 direction flashed up-down that shoes the motion of the car.
Dot matrix indicator	In COP & LOP it shows the direction of car and floor numbers.
Emergency car light	Supplied with battery, automatically activated in case of power loss.
Intercom	5way intercom between car-machine room and, pit, car top and building control.
Alarm	In case of emergency, press alarm button in COP.
Fire switch control	Located in the ground floor above the door panel, when activated, it will cancel all calls, & force the lifts to move to the pre-designated rescue floor, open the doors and cut of electric current on the lifts.
Car ventilation	Works when car take order and controlled by internal switch in COP.
Car light	Works when car take order and controlled by internal switch in COP.
Force shut off	By switch located in the main landing floor, when actuated the lift take the cabin to the main landing floor and shut off.

OPTIONAL FUNCTION

TRAVEL FUNCTION

Anti-Nuisance	In case of three or more call registration without passenger passing through doors, the elevator will cancel all registered calls.
Door zone open	The door opens in deceleration when the cabin enters in door zone.
Direct approach	Control will calculate the distance and give order to machine to move with suitable acceleration, and direct deceleration so that to speed the movement and enhance travel efficiency.
Group Control	In case of 2-3-4 -6 -8 lifts can work on single push for each floor, the nearest lift will arrive, preventing excessive stops of the car and reducing waiting time for passengers.
Duplex control	2 lifts can work on single push for each floor, the nearest lift will arrive, preventing excessive stops of the car and reducing waiting time for passengers.
Peak service	The lift will force the cabin to return the designated landing to speed up the transportation for passenger.

LOP & COP FUNCTION

Voice announcer	Give the floor number at each floor by pre-recorded human voice.
Handicapped COP	Fixed on suitable height in cabin, allowing handicapped passenger to register the call.
Intelligent calling service	Car or landing calls can be controlled through special intelligent input.
IC card control	Car or landing door push buttons cannot work until passing the special magnetic car through the card reader, that will give authorization for the holder passenger to call the designated floor.

MONITOR FUNCTION

Remote monitor	Lift or group of lifts can be monitored by special modem in control panel, this will show the motion of lifts, floor serving and door opening and closing.
Remote control	Can control the motion of the lifts from main control of the building management.
Camera	Camera installed in cabin to monitor inside car and passenger.

EMERGENCY FUNCTION

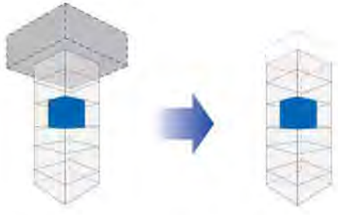
Emergency Device	In case of power loss, the lift will work on slow speed until reach the nearest floor and open the car door allowing the passenger to leave the elevator safely.

Frieght Elevators
Machine Roomless

Robust Technology

ISUZU EE Freight Elevators are the perfect choice for industrial buildings, warehouses, shopping centers and schools. As clients increasingly demand energy-saving lifts, the ISUZU EE freight elevator and machine-room-less designs (MRL) are the result of technological advancements that often allow a significant reduction in the size of the electric motors used with traction equipment. The need to locate the machine room over the hoistway is eliminated due to the newly designed, smaller permanent magnet motors (PMM), which allow architects to design the hoistway with the motor as an integral component. Not only does the MRL design lead to reduced use of both oil and energy for starting and running the elevator, it also permits more efficient and safe installation techniques and better use of valuable interior space.
ISUZU EE is committed to providing elevator products and services that decrease the environmental impact and promote sustainability. Always on the cutting edge of design and technology, the

ISUZU EE V-series of freight elevators provides robust technology, highly developed modules, high-quality materials and unrivaled safety features. Freight elevators usually travel at speeds that are lower than passenger elevators, but they are built to carry heavier loads and manufactured to withstand tougher working conditions. The ISUZU EE V-series motor offers a low rotational speed and low friction, and gearless construction to increase the reliability and durability of the machine, which insures high performance, reliable operation, and a smooth ride.

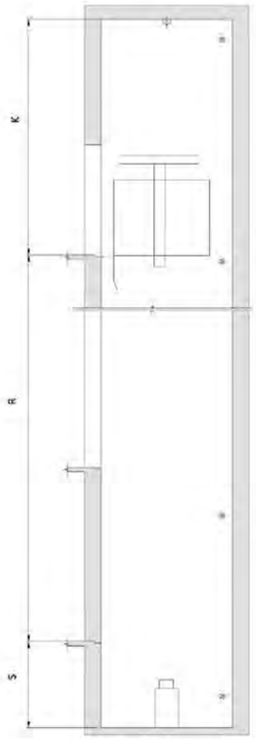


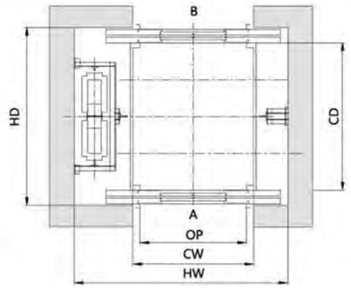
Machine room in the ordinary elevator

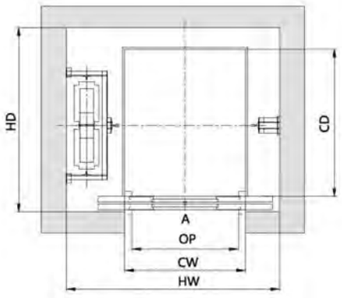
Machine room-less freight elevator

No penthouse required above the roof level.
Utilizes a smaller more efficient machine to power the car.
MRL can reduce overhead mechanical structural support.
Equipment is designed for a long life cycle.
Easy installation and maintenance.
Reliability achieved through a completely integrated system.

Construction Sketch







Load DL (kg)	Door Type	Speed V (m/s)	Car Dimension CW (mm)	CD (mm)	CH (mm)	Door-open Size OP (mm)	OPH (mm)	Hoistway Dimension Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)	Max No. of Stops	Max Travel (m)	Power KW	Distance of Bracket Guide Rail (mm)
1500	One gate	0.5	1500	2250	2200	1400	2100	2900	2800	1700	4500	10	40	5.5	2000
		1										15	60	11	
	Two gate	0.5							2750			10	40	5.5	
		1										15	60	11	
2000	One gate	0.5	1700	2400		1500		3000	3300			10	40	6.7	
		1										15	60	13.4	
	Two gate	0.5							2900			10	40	6.7	
		1										15	60	13.4	
3000	One gate	0.5	2000	2800		1700		3500	3450			8	30	13.9	
		1										15	60	15.8	
	Two gate	0.5							3300			8	30	13.9	
		1										15	60	15.8	

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

CAR ELEVATORS

Park more Cars

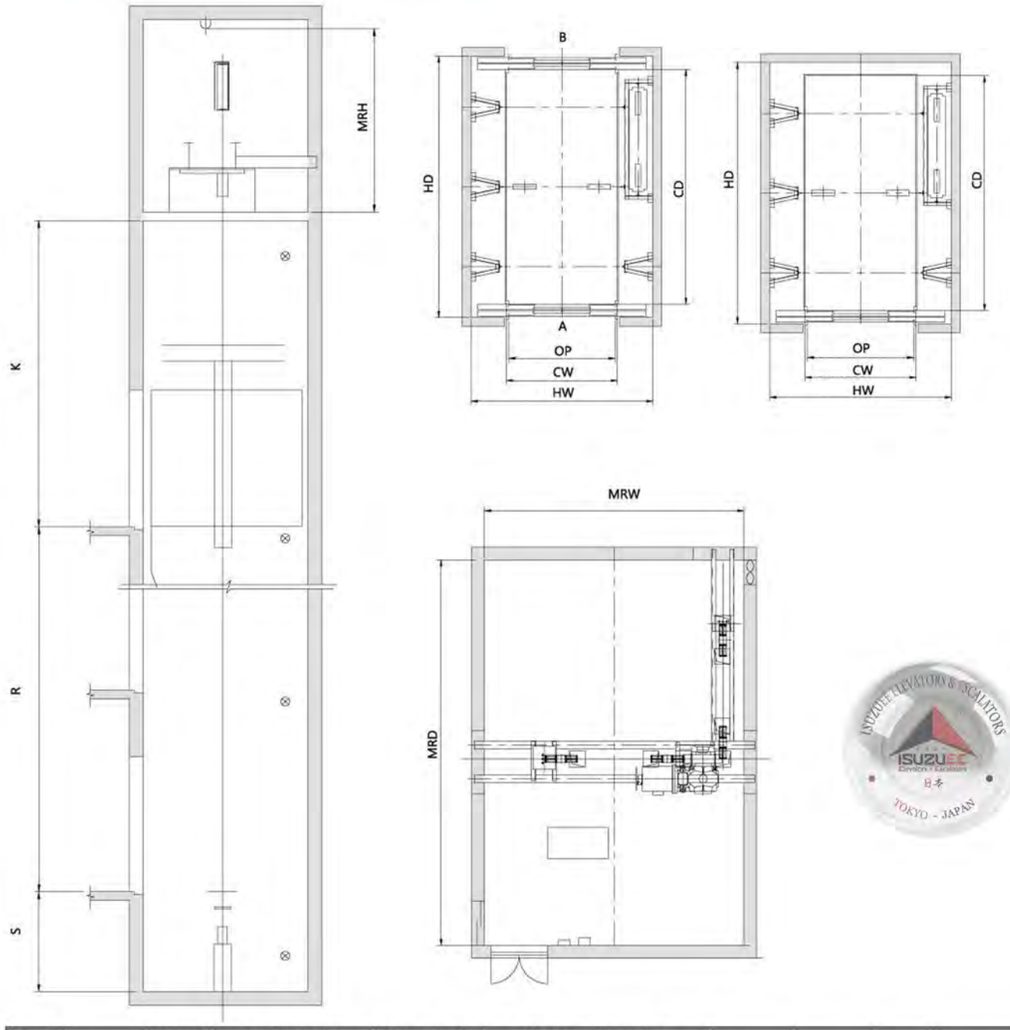
ISUZU EE Car Elevators & Carpark Elevators are intended for locations that have limited parking spaces, a high residency rate, and high traffic volume. Car elevators are not only an investment, but a necessity in todays overpopulated cities, and offer the potential for instant payoff in modern urban developments. They enable significant space savings and provide design flexibility for building planners and architects. The result: more innovative designs, and increased property values. ISUZU EE V-Series systems are engineered for lower average speeds and heavy load capacity for tough everyday working conditions. They have smart logic software that controls the system, and provides intelligent and secure access management, professional data and report management, and targeted optimization of operational processes. ISUZU EE offers three main car park systems to choose from. Other systems are available on our website.

Twin System features a pallet that is lifted up to allow additional parking for one or two additional vehicles. Both indoor and outdoor installation is possible. Installation can be done simply on a flat area, with no additional architectural work. These systems are electromechanically operated, and are often preferred for residential complexes and buildings.

Rotary System enables you to park either 7, 8, 10 or 12 vehicles in the space of only two. There is no need for a parking attendant, just insert the key and press your parking space number; the pallet will rotate either clockwise or counter-clockwise. It will automatically sense which way to rotate based on the parking space number.

Puzzle system is a structure that enables the use of all parking entrances and exits at ground level. The parking pallet moves left, right, upward and downward, and always has a minimum of one empty slot for movement. The vehicle driver can have multiple levels above, a pit style below, or a combination of both.

Construction Sketch



Load	Door Type	Speed	Car Dimension			Door-open Size		Hoistway Dimension				Max No. of Stops	Max Travel (m)	Power KW	Distance of Bracket Guide Rail (mm)
DL (kg)		V (m/s)	CW (mm)	CD (mm)	CH (mm)	OP (mm)	OPH (mm)	Min HW (mm)	Min HD (mm)	Min S (mm)	Min K (mm)				
3000	One gate	0.25	2500	5500	2200	2400	2100	4100	6100	1500	4500	4	15	11	2000
		0.5										8	30	18.5	
	Two gate	0.25										4	15	11	
		0.5										8	30	18.5	
5000	One gate	0.25	2800	6500	2200	27400	2100	4500	7100	1600	4800	4	15	15	1500
		0.5										8	30	26	
	Two gate	0.25										4	15	15	
		0.5										8	30	26	

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

FRIEGT ELEVATORS
CARS

IFL-100 Standard

Item	Specification
Car ceiling	Painted panel, energy–saving light
Ventilation	Square fan
Car wall	Painted panel (Standard) Hairline stainless steel (optional)
Car door	Painted panel (Standard) Hairline stainless steel (optional)
Floor	Checked stainless steel plate I
Sill	Steel sill (Open width > 1500), Reinforced aluminum alloy(Open width≤1500)
COP&LOP	COP-101

Side Opening

Double-folded Center Opening Type

IFL-200 Standard

Item	Specification
Car ceiling	Painted panel, energy–saving light
Ventilation	Round fan
Car wall	Painted panel (Standard) Hairline stainless steel (optional)
Car door	Painted panel (Standard) Hairline stainless steel (optional)
Floor	Checked stainless steel plate I
Sill	Steel sill (Open width > 1500), Reinforced aluminum alloy(Open width≤1500)
COP&.LOP	COP-101

OPERATIONAL PANEL

COP-101 Standard

Operation panel: Hairline stainless steel

FLOORING

Ordinary checked steel plate I (Standard)

Ordinary checked steel plate II (Optional)

CRASH BARRIER

Wooden

Rubber

LANDING DOOR

Center opening

Side opening

Double–folded center opening type

3–Folded center opening type

COLOR SELECTION

Ice gray SK001

Plane gray SK002

Corny Yellow SK003

Light Green SK004

ESCALATORS

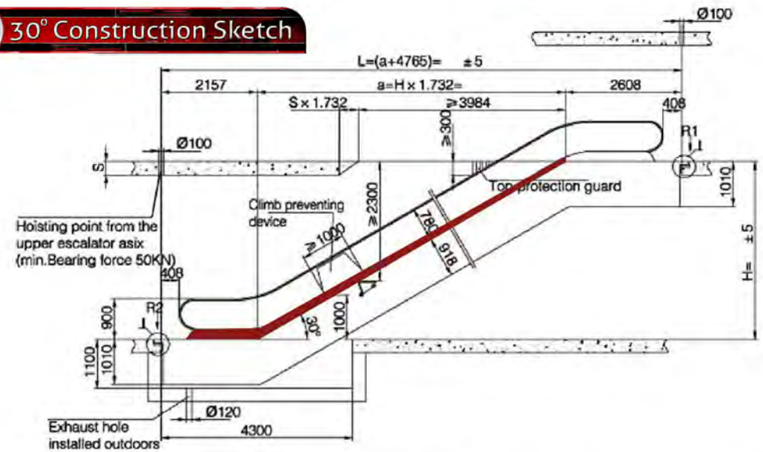
Exceeds Expectations

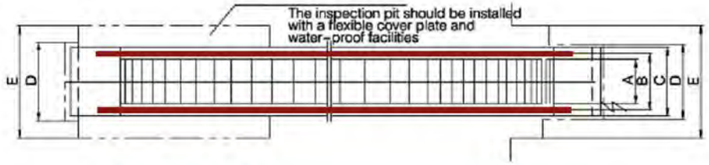
ISUZU EE escalators provide safe, reliable and eco-friendly mobility in public places to improve the use of every floor in shopping malls, department stores, convention centers and hotels. They optimize the flow of people in airports and metro stations around the world. The ISUZU EE V-Series of escalators are equipped with advanced motor and control technology, and a superior micro control system to ensure greater reliability and provide passengers with an experience that goes beyond that of other escalators. Our V-Series complies with international safety codes, and offers sensible safety options that are especially important in commercial applications. Attractive yet robust, ISUZU EE escalators exceed the expectations of customers, and add an elegant touch in commercial surroundings. They come in a simple, yet refined design that blends with the design of any building. Whether you choose a standard ISUZU EE product configuration or a tailor-made solution, our escalators offer exceptional efficiency, enhanced flexibility, and the perfect blend of stunning design, solid structure and superior technology.

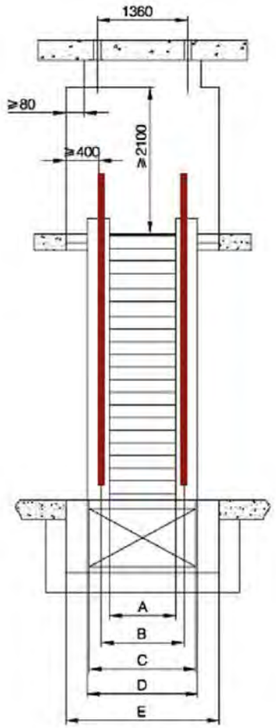
Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

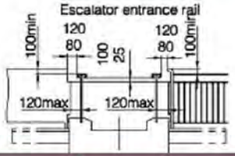
ESCALATOR CONSTRUCTION

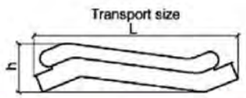
30° Construction Sketch



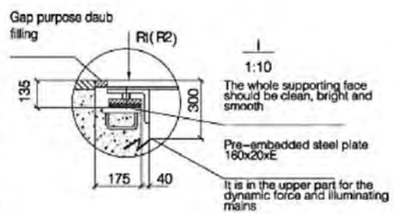








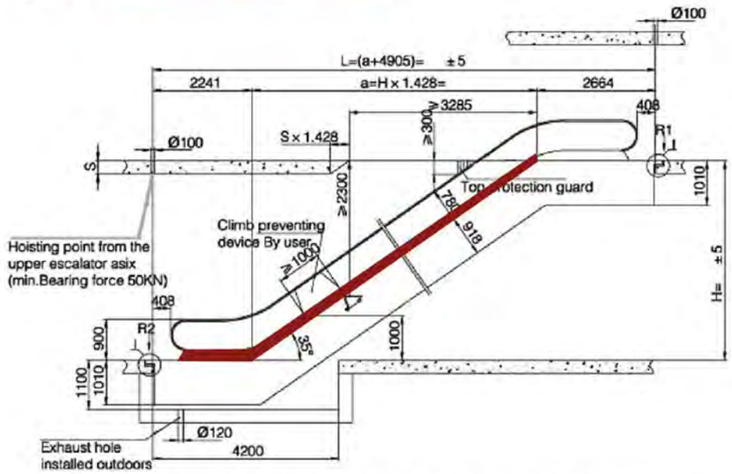
Model	Max Travel (m)	Net Weight KN	Supporting R1 KN	Supporting R2 KN	Power KW	Transport Size H	Transport Size L
SN-ES-600-30 4500 persons/h Speed 0.5m/s	3000	57	46	41	8	2750	10900
	3500	60	49	44		2780	11890
	4000	64	52	47		2810	12880
	4500	68	56	50		2830	13870
	5000	71	59	53		2840	14860
	5500	75	62	56		2860	15860
	6000	79	65	59		2870	16860
SN-ES-800-30 6750 persons/h Speed 0.5m/s	3000	59	52	47	8	2750	10900
	3500	53	56	50		2780	11890
	4000	57	60	54		2810	12880
	4500	71	64	57		2830	13870
	5000	74	68	60	11	2840	14860
	5500	82	74	66		2860	15860
	6000	86	78	69		2870	16860
SN-ES-1000-30 9000 persons/h Speed 0.5m/s	3000	63	59	53	8	2750	10900
	3500	67	64	57		2780	11890
	4000	71	68	61		2810	12880
	4500	75	73	65		2830	13870
	5000	83	79	71	11	2840	14860
	5500	87	84	75		2860	15860
	6000	92	88	79		2870	16860

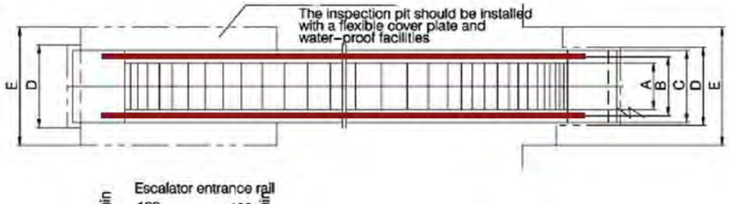


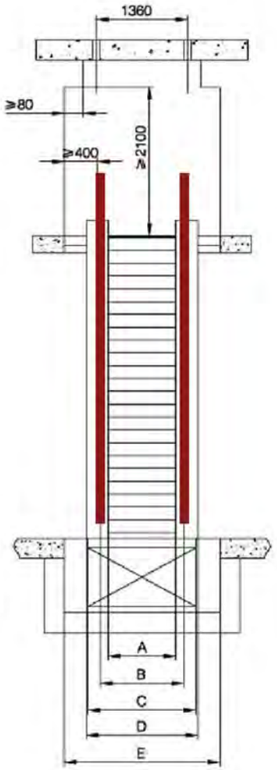
Step Width(mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
1000	1000	1158	1238	1600	1660	2310
800	800	985	1038	1400	1460	2110
600	600	758	838	1200	1260	1910

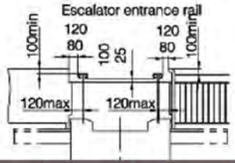
Note: Reference only, for detail information, please contact ISUZU elevator.

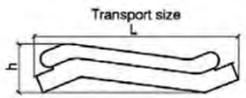
35° Construction Sketch



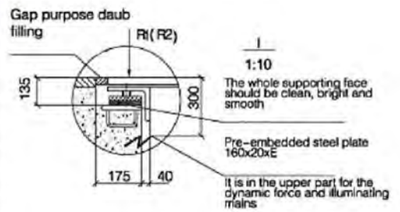








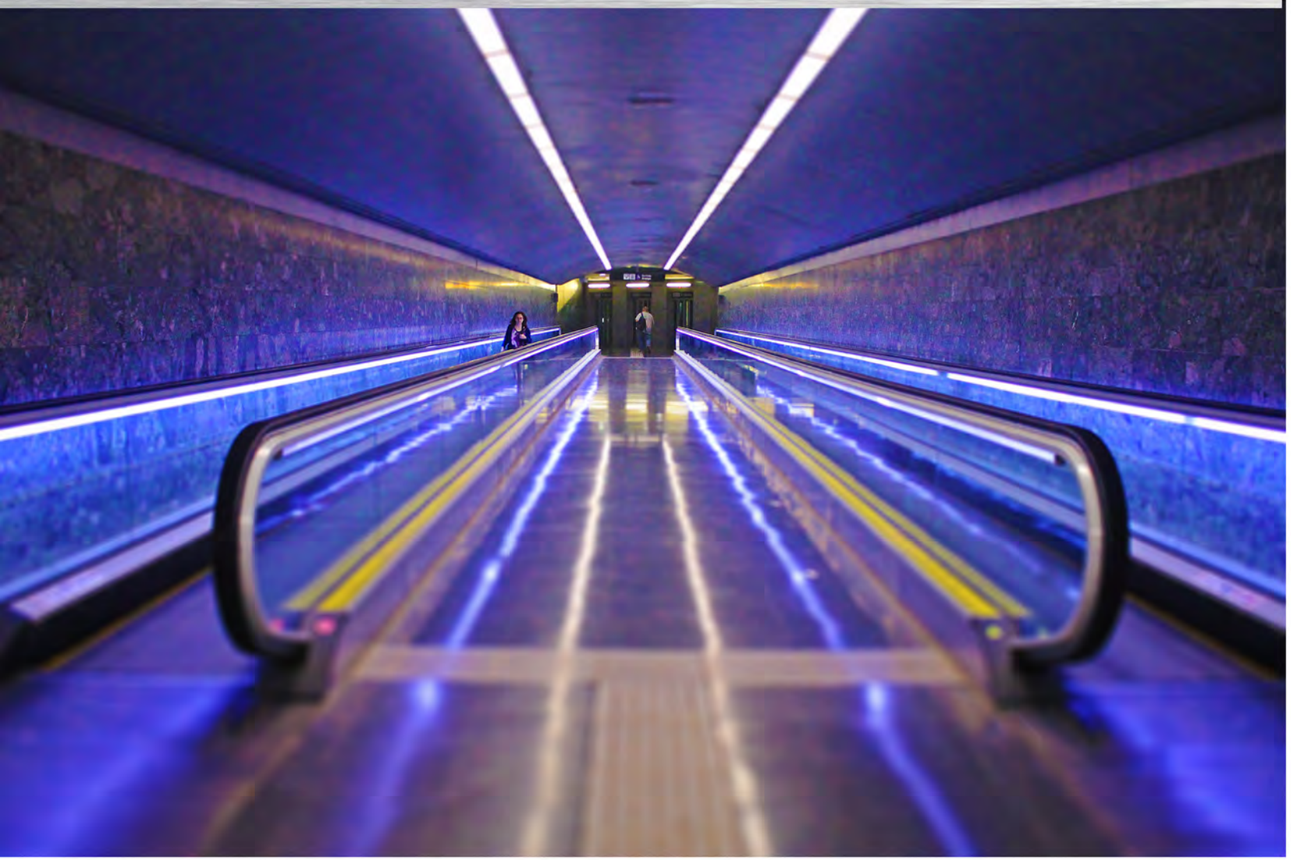
Model	Max Travel (m)	Net Weight KN	Supporting R1 KN	Supporting R2 KN	Power KW	Transport Size H	Transport Size L
SN-ES-600-35 4500 persons/h Speed 0.5m/s	3000	54	43	39	8	2850	10180
	3500	57	46	41		2890	11030
	4000	60	59	44		2920	11890
	4500	64	52	46		2940	12750
	5000	57	54	49		2970	13610
	5500	70	57	51		2980	14470
	6000	73	60	54		3000	15330
SN-ES-800-35 6750 persons/h Speed 0.5m/s	3000	56	49	44	8	2850	10180
	3500	60	52	47		2890	11030
	4000	63	56	50		2920	11890
	4500	66	59	53		2940	12750
	5000	70	62	56	11	2970	13610
	5500	73	65	59		2980	14470
	6000	76	69	61		3000	15330
SN-ES-1000-35 9000 persons/h Speed 0.5m/s	3000	60	56	30	8	2850	10180
	3500	64	60	53		2890	11030
	4000	67	64	57		2920	11890
	4500	71	67	60		2940	12750
	5000	74	71	64	11	2970	13610
	5500	82	77	69		2980	14470
	6000	85	81	72		3000	15330



Step Width(mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
1000	1000	1158	1238	1600	1660	2310
800	800	985	1038	1400	1460	2110
600	600	758	838	1200	1260	1910

Note: Reference only, for detail information, please contact ISUZU elevator.

MOVING WALKWAYS



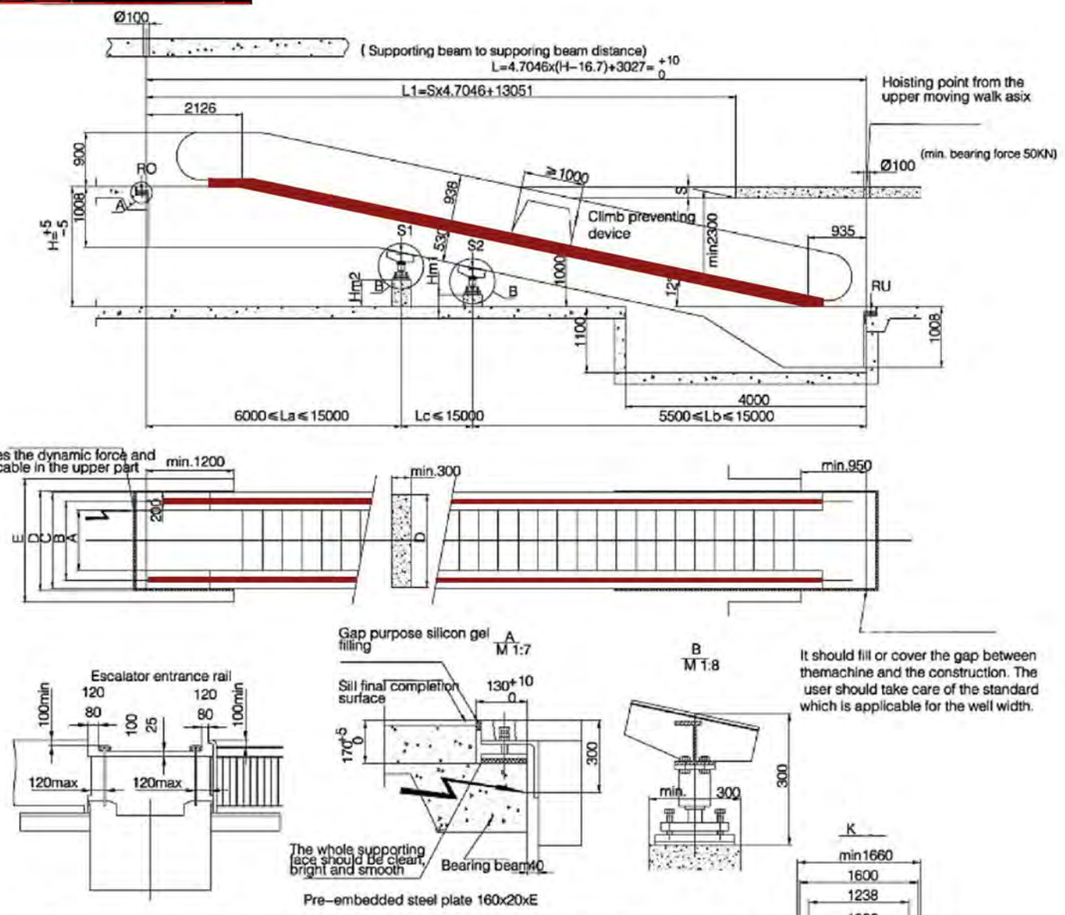
Comfortable & efficient

ISUZU EE moving walkways are designed to offer ample capacity to handle a heavy flow of pedestrian traffic at major airports, railway stations, exhibition halls and shopping complexes worldwide. ISUZU EE has established a new industry benchmark for walkways by offering a contemporary solution to pedestrian traffic requirements, resulting from the greater diversity of architectural designs and the expanded scale of urban development. ISUZU EE moving walkways can maximize the transportation of people carrying large amounts of luggage or managing shopping carts, in a safe, comfortable and efficient manner. This roomy design is well suited to accommodate a wheelchair with plenty of space for a person to stand alongside. The heart of the ISUZU EE V-Series moving walkway is a highly efficient drive system that achieves the maximum in international safety standards. It is characterized by smooth operation, and provides pedestrians with greater freedom of movement while enhancing their comfort.

Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

WALKWAY CONSTRUCTION

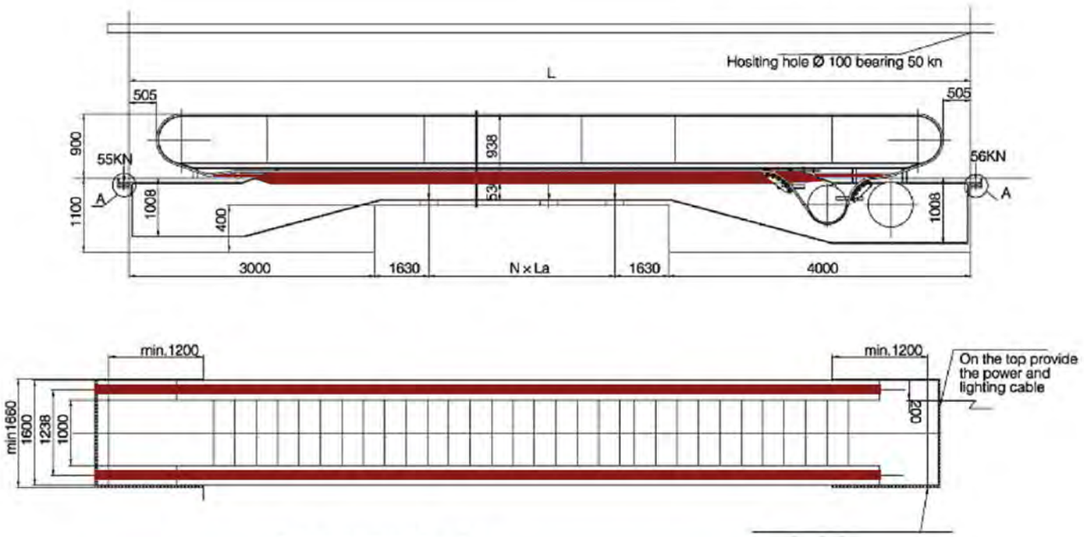
12° Construction Sketch



The construction supporting force includes the vibration load		
No Intermediate Supporting	One Intermediate Supporting	Two Intermediate supporting
Ro=0.0045XL+13	Ro=0.0045XLa+13	Ro=0.0045XLa+13
Ru=0.0045XL+7	Ru=0.0045XLb+7	Ru=0.0045XLb+7
	S1=0.00585X(La+Lb)	S1=0.00585X(La+Lc)
		S2=0.00585X(Lb+Lc)

Max Travel		Intermediate Supporting		La (mm)	Lb (mm)	Lc (mm)
From	To	S1	S2			
1601	2663	-	-	-	-	-
2264	4151	1	-	L-7000	7000	-
4152	5851	1	-	15000	L-15000	-
5852	6000	1	1	15000	7000	L-22000

0° Construction Sketch



Model	Max Travel L (mm)	Rated Speed (m/s)	RatedLoad Capacity (person/h)	Inclination	Power KW	A (mm)	B (mm)	C (mm)	D (mm)
SN-ES-800-0	80000	0.5	6750	0	5.5	800	1038	1400	⩾1460
	80000<L⩽130000				8				
	130000<L⩽150000				11				
SN-ES-1000-0	70000	0.5	9000	0	5.5	1000	1238	1600	⩾1660
	70000<L⩽110000				8				
	110000<L⩽150000				11				

▲ Dimensions are for reference only. For detailed information, please contact ISUZU ELEVATORS & ESCALATORS

ISUZU WORLD

Welcome

Welcome to ISUZU Elevators and Escalators. As a new client, you are joining our winning team that has made us a respected manufacturer and a value leader in the vertical transportation industry. We encourage you to contact us whenever you need specific information. You will quickly discover that we will give you the best advice possible. We wish you success in your new project, and we hope that you quickly feel at home.

Worldwide Network

ISUZU EE customers have grown to include millions of Consumers, Sellers, and Distributors. Each of these groups has different needs, and we constantly work to meet those needs and give each group hundred and ten percent one hundred percent of the time in order to guarantee one hundred percent satisfaction. We will do whatever it takes to win and keep our valued customers and partners. We believe customer satisfaction is the cornerstone of every successful company. We demand 100% satisfaction when we are the customer. And we expect nothing less from ourselves when the tables are turned.

100% Satisfaction

ISUZU EE consumers, employees and distributors together form a force for positive local and global change, dedicated to improving our standards. We constantly monitor the progress of our organization through a stringent screening process. This high level of internal evaluation allows us to guarantee our customers complete satisfaction. In the unlikely event you are dissatisfied, we implore you to let us know. We will do whatever it takes to keep you happy and keep our customer satisfaction rate at the highest level in the vertical transportation industry. ISUZU EE has always been different. It's a special place where we have the opportunity to create products of outstanding value.