

ESCALATORS



SERIES Z

Our new escalator Series Z offers more than just a way to Carry passengers



Aesthetic elegance and flexibility are concepts expected more than ever. Our new escalator Series Z comes in a simple, yet sophisticated design, offering the utmost in flexibility to blend with any building decor. Our years of experience in safety-oriented production, based on a strong belief in the importance of safety, have led to a variety of safety features, as well as a wide range of value-added functions that help you customize your own escalators, creating uniqueness in and incomparable value for your building properties.

The Mitsubishi Electric Series Z Escalator fulfills and indeed exceeds customer expectations, through the collaboration and utmost performance of visual, functional and safety elements.

Feel the elegance, high quality and comfort of the Series Z in your building.



Models for various scenes 3-4

STAN	Features that blend 5-6
Excellence	With architecture Brings elegance and sophistication to your building
STAN	DARD
ENHANCED	Safety-oriented and 7-8
SAFETY	CUSTOMET-FRIENDLY DESIGNS Offers enhanced safety and comfort
OPTIO	NAL
Added	Versatile functions 9-10
FUNCTIONALITY	to select from Enables customization for uniqueness
_	OPTIONAL
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	Escalators in the graphics are based on the

Escalators in the graphics are based on the Japan Code, with optional Fluoropolymer Coating on Skirt Guard.





odels for va<mark>rious scenes</mark>

ZS GLASS Panel



The simplest of designs blends with any building decor, adding a quiet, sophisticated air to your architecture.





*1: Please refer to the enclosed leaflet for rises exceeding 7000mm. *2: Please contact your local Mitsubishi Electric sales agent for 1000mm-high Moving Handrails.

Escalators in the graphics are based on the Japan Code, with optional Fluoropolymer Coating on Skirt Guard.

Z L GLASS PANEL WITH UNDER-HANDRAIL LIGHTING



Lighting under the Moving Handrails creates an effect of warm, glowing elegance.









Stainless steel panel that exudes strength and durability.



STANDARD

VISUAL Excellence

eatures that blend with architecture

Our new Escalator Series Z serves passengers naturally and peacefully.



Rounded Handrail Inlet Cap

Our rounded Handrail Inlet Cap streamlines with the Moving Handrails, lending a silent elegance to the boarding and landing areas.



Screw-free Inner Deck

Removing screws from the Inner Deck side face not only presents an even softer, more simple look, but also removes the danger of passengers snagging their clothes.

Clearly-contrasted Floor Plate

For improved visibility and smoother passenger flows, extended areas from the Moving Handrails feature different pattern with a clear contrast.



Space Saving

Shortening the Truss by 205mm* requires less escalator installation space and increases freedom in building layout.

* Compared with the Mitsubishi Electric Series J Escalator (for EN115), except for VVVF control.

Colors available for Moving Handrails (rubber) Only "No. 0001 Black" is standard. Other colors are optional.



andrail colors for outdoor use are different from these shown on this page. Please contact your local Mitsubishi Electric sales agent for details. Handrail colors shown in photos may differ slightly from the actual colors on products.



Floor Plate





safety-oriented and customer-friendly designs

Step with Anti-Slip Grooves

Grooves along the corner edge of each step improve anti-slip performance and the visibility of each step for further passenger safety.





Comb with Smaller Angle

Mitsubishi recognizes how critical the Comb teeth angle is: even a small gap between the Comb and Step can result in a serious accident. Putting our years of experience and research to full use, we have made the angle the smallest it can be (10° to the horizontal) to keep passengers and items such as baggage from stumbling or getting caught between the Comb and Step.

Brighter Demarcation Color

Attention to the smallest details is the chief theme of Mitsubishi's safety criteria, and the color of the Demarcation Line is no exception. The yellow Step and Comb Demarcation Line comes as standard and its brightness has been improved to provide better visibility of the Step, Comb and Floor Plate than in our other models.

Escalators in the graphics are based on the Japan Code, with optional Fluoropolymer Coating on Skirt Guard.

STANDARD

You'll truly feel the difference. Safety and ride comfort are the ultimate goals for Mitsubishi.





Tiered Demarcation Line

Demarcations along both sides of a step are raised from the step surface, thereby preventing passengers from getting too close to the skirt guards and preventing clothes from getting caught between a step and skirt guard.



ADDED FUNCTIONALITY

ersatile functions to select from

A wide range of optional features help you customize your own escalators, contributing to increased property value.

which further improves

Lighting^{*1}



Skirt Guard Lighting²

Lighting can be provided along the entire length of the skirt guard, lighting up the step demarcation for both visual effect and passenger safety.



Directional Indicators at boarding and landing areas^{*1*3}



Handrail Inlet Cap LED Indicator

LED lamps form an arrow to indicate the escalator's traveling direction for boarding, or a No-Entry sign at the landing areas.

Warning System*3



More Options

Outer Deck Sensor⁴

When a sensor on the Outer Deck detects a passenger leaning outside the Moving Handrail, a buzzer and voice sound to alert the passenger to the potential danger of bumping against an adjacent escalator or wall.



Inlet Sensor

This sensor keeps any passengers or foreign objects away from the Handrail Inlet, a warning buzzer and voice sounding when a person or object comes close to the Inlet.

Floor Name

Floor names can be engraved on each floor plate to help passengers quickly identify which floor they are on.



Fluoropolymer Coating on Skirt Guard^{*5}

The Skirt Guard can be coated with a friction-reducing resin to reduce the chance of passengers stumbling when their shoes come in contact with the Skirt Guard.



Polyurethane Moving Handrail Colors available for polyurethane Moving Handrails

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*1: For available combinations of optional features, please refer to the Specifications on the enclosed leaflet. *2: Not applicable to semi-outdoor and outdoor us *3: Not applicable to outdoor use.

*4: Not applicable to model ZP. *5: Standard feature in countries where EN115 applies.

Available as an option, Moving Handrails made of polyurethane are highly resistant to dirt on their surface and create a shiny, brighter look.





utomatic Operation / Variable-Speed Operation

tandard specifications

Basic

specifications

Inverter-controlled Automatic and Variable-Speed Operations

VVVF Control (Variable Voltage, Variable Frequency)

Our newly-developed, innovative escalator inverter enables a unique way of controlling the escalator speed in Automatic and Variable-Speed Operations. In Variable-Speed Operation, the escalator speed can be selected according to the frequency of use, number of passengers, and more. Please contact your local Mitsubishi Electric sales agent for VVVF control.

Post-Free Automatic Operation

Sensor Posts are no longer needed, as the sensors embedded in the Handrail Inlet Cap detect passengers and control Automatic Operation. The escalator operates at a low speed in stand-by, and gradually increases speed to the rated speed after detecting a passenger approaching the boarding area.

Escalators operate at a low speed in stand-by.





*1: Handrail Inlet Cap LED Indicator:

- Remains the same regardless of the operating speed during Automatic Operation. A separate option, and not included in Post-Free Automatic Operation.

Automatic Operation with Posts



Sensor Posts located on both sides of the landing and boarding areas incorporate traditional Beam Sensors, with or without^{*2} Directional Indicators allowing or denying passenger entry.

Control by AC1, instead of inverter control, can be adopted in Automatic Operation with Posts, whereby the escalator remains stationary on stand-by.

> *2: For escalators stationary in stand-by, Directional Indicators are required in countries where EN115 applies

Variable-Speed Operation

Two more speeds^{*3}, not exceeding the rated speed, can be added to your escalator to make it possible to operate at three different speeds. The speeds are selected using a key switch, set at Low or Middle for the added speeds and High for the rated speed, thereby allowing you to select the best speed for each set of traffic conditions.





Item	S600 S800 S1000				
Models		ZS / ZL / ZP			
Codes	E	N115 * ¹ code / Japan cod	le		
Power supply		AC 3-phase, 50 or 60Hz			
Lighting power supply	A	C single-phase, 50 or 60⊢	lz		
Rated speed		0.5m/sec			
Control system	Standard: AC1 Option: VVVF *2				
Theoretical transport capacity *3 (persons/hr)	4500 6750 9000				
Inclination	30° / 35°				
Environment	Standard: Indoor Option *4 : Semi-outdoor / Outdoor				
Automatic oiler	Stand	dard: None Option: Avail	able		
Min. rise (mm)		30°: 2203 35°: 2527			
Max. rise (mm)		30°: 7000 *5 35°: 6000			
Step width (mm)	604	804	1004		
Escalator width (mm)	1150	1150 1350 1			
Between Moving Handrails (mm)	840	1040	1240		
Between Skirt Guards (mm)	610	810	1010		
Truss width (mm)	1100	1300	1500		
Floor opening (mm)	1250	1450	1650		

*1: The specifications differ depending on the publication year of the code. Please contact your local Mitsubishi Electric sales agent for details.

- *2: Please contact your local Mitsubishi Electric sales agent for VVVF control.
- peak time may equal or exceed the following numbers: S600: 525 persons per 10 minutes S800: 785 persons or more per 10 minutes S1000: 1050 persons per 10 minutes
- refer to "Cautions for outdoor use" on page 13.
- *5: Please refer to the enclosed leaflet for rises exceeding 7000mm.



*3: Transport capacity varies depending on actual traffic conditions, so some dimensions and the motor capacity may have to be changed. Please contact your local Mitsubishi Electric sales agent for details if the number of passengers during

*4: Please contact your local Mitsubishi Electric sales agent for semi-outdoor and outdoor use. For outdoor use, please



Cautions for outdoor use

A roof must be provided over outdoor escalators. In rainy weather without a roof, passengers are in great danger of having their umbrellas blown away by the wind or falling down on the slippery Steps. In hot weather, the Moving Handrails and Deck Boards can easily heat up in the sun to a surface temperature exceeding 50°C, causing the unnecessary chance that passengers could get burnt on the overheated elements. In addition, when not covered by a roof, the life and performance of outdoor escalators seriously deteriorate, leading to shorter product life and higher cost for maintenance.

1. How to define outdoor escalators

Escalators are classified into three categories: outdoor, semi-outdoor and indoor. Outdoor escalators are defined as escalators exposed to environmental factors such as wind, rain, snow or direct sunlight.



Indoor α>70°				
Semi-outdoor	tdoor $70^\circ \ge \alpha \ge 30^\circ$			
Outdoor α<30°				
Angle α in the illustration varies depending on the direction in which the escalator is viewed				

Check how the angle varies, take the smallest angle, apply it to the table above and determine the escalator type

Detailed floor plan for outdoor escalators

(A)-

30mm or n

2. Environmental requirements for outdoor escalators

Permissible ambient temperature Minimum -10°C (special measures are required in cold districts where the ambient temperature can drop below -10°C) For escalator operation 0°C ~ less than 35°C		
		0°C ∼ less than 35°C
Wind pressure		Escalators must not be exposed to direct wind pressure outside the following ranges: 490N/m ² or less on the windward side, 245N/m ² or less on the leeward side
Others		Measures are required for escalators installed within a 2-kilometer radius from a shore to protect them from direct exposure to salty wind.

3. Architectural requirements for outdoor escalators

(1) Intermediate support beams must be provided.

- (2) The level of the escalator Floor Plate must be higher than the floor finish of the building to minimize the chance of rain or cleaning water running into the escalator truss. Area (B) in the illustrations to the right must be at a slope of at least 10°, and the surface of (A) must be horizontal to minimize the risk of passengers stumbling.
- (3) Drainage must be provided in the entire area marked (C) and covered with grating to keep away drain water
- (4) The escalator pit must be waterproofed entirely when a whole truss is installed inside the pit. In addition, the upper pit floor must be sloped towards the lower floor to let any water in the pit drain out and down.
- (5) If there is a chance of the lower machine room getting flooded, drainage equipment, such as a drain pump, must be provided to discharge any water.
- (6) Water in the lower pit will contain lubrication oil, so a grease trap should be provided to separate the lubrication oil from the water. The capacity of the grease trap is determined according to the escalator size and maximum amount of expected rainfall.
- (7) Water may drip from the exterior panels of the escalator. Take waterproofing measures for equipment or items under the exterior panels if water is likely to cause problems or accidents.

Please contact your local Mitsubishi Electric sales agent for outdoor use.

End of esca



Remote monitoring

Mitsubishi Electric's MelEye is a sophisticated Web-based elevator and escalator monitoring and control*1 system that allows authorized personnel to respond rapidly to changing traffic patterns and other operational conditions. It improves passenger safety and reliability of your building management.



*1: Please note that MelEye is designed for monitoring of escalator operation, not to control the escalators remotely. *2: Contact your local Mitsubishi Electric sales agent for a brochure or further information

MPORTANT INFORMATION

Work not included in the escalator contract

The following items are not included in Mitsubishi Electric's escalator installation work. and the responsibility for carrying them out lies with the building owners or general contractors:

- Provision of intermediate support beams (if required)
- Provision of truss-supporting beams, including mounting plates
- Floor finishing after escalator installation
- and around escalator installation
- of the truss to the escalator's Control Unit in the upper truss Other wiring and electric conduits
- Provision of convenience outlets in the upper and lower truss
- Outer panel sheathing of truss
- where anyone could access and open the doors)
- (with wording such as "by owner")

Notes on building work

- until the Floor Plates are in place
- other than escalator, must not be laid inside the truss

Ordering information

Please submit the following information when ordering or requesting escalator quotations:

- Name and address of the building
- Escalator model (ZS or ZL or ZP)
- Escalator type (S1000 or S800 or S600)
- Rise (floor height) and number of floors
- Number of escalators
- Optional items required
- Whether or not fire-prevention shutters are required



• Building construction and alterations associated with escalator installation

• Provision of fire-proofing and fire-prevention measures for escalator exterior materials

 Provision of fire-prevention shutters (if required by local codes or regulations) • Wiring for the escalator's main drive and lighting, from around the middle portion

 Provision of inspection doors (lockable doors if installed in an environment • All items for which procurement by building owners is instructed

• Tolerance in distance between supporting beams: +30mm to 0 or 13/8" to 0" • Flooring around the escalator must not be finished until the escalator is installed • Flooring within 300mm or 12" of the escalator Floor Plate must not be finished

• Sprinkler pipes or wiring for soffit lights, or any other electric conduits for items

 No walls or other parts of the building structure must be supported on the truss • Allowable maximum weight of outer sheathing: 20kg/m² or 0.028 psi

• Voltage and frequency of the power source for escalator's main drive and lighting



State-of-the-Art Factories... For the Environment. For Product Quality.

Mitsubishi Electric elevators and escalators are currently operating in approximately 90 countries around the globe. Built placing priority on safety, our elevators, escalators and building system products are renowned for their excellent efficiency, energy savings and comfort. The technologies and skills cultivated at the Inazawa Works in Japan and 12 global manufacturing factories are utilized in a worldwide network that provides sales, installation and maintenance in support of maintaining and improving product quality.

As a means of contributing to the realization of a sustainable society, we consciously consider the environment in business operations, proactively work to realize a low-carbon, recycling-based society, and promote the preservation of biodiversity.

ISO9001/14001 certification

Mitsubishi Electric Corporation Inazawa Works has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management. The plant has also acquired environmental management system standard ISO 14001 certification.





Mitsubishi Elevator Asia Co., Ltd. has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management. The plant has also acquired environmental management system standard ISO 14001 certification.



MITSUBISHI ELECTRIC CORPORATION

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www.MitsubishiElectric.com/elevator



For ligh lise

afety devices

For Japan Code

For Japan Code

•···Standard O···Optional

Emergency Stop Button (E-STOP)

The Series Z escalator is equipped with

various safety devices that provide for

safety and reliability.

A button to immediately stop the escalator in emergency situations.

○ Step Motion Safety Device (CRS)

A safety device to stop the escalator when a Step has been dislocated on its riser side due to an object caught between the Steps, or between the Skirt Guard and the Step, or if an abnormality has been observed in the Step motion.

Overload Detection Device

A safety device that stops the escalator if overload has been detected by abnormal current or temperature of the drive motor.

Drive Chain Safety Device (DCS)

A safety device that stops the escalator if the Drive Chain breaks or stretches beyond an allowable limit.

Speed Governor (GOV)

A safety device that stops the escalator if the speed significantly decreases or increases to 120% of the rated speed.

Electromagnetic Brake

A safety device that stops the escalator in the case of power failure, or if any safety device or the Emergency Stop Button has been activated.

○ Handrail Speed Safety Device (HSS)

A safety device that stops the escalator if the Moving Handrails fail to synchronize with the Steps due to slippage, loosening or breakage of the Moving Handrails.



For high Rise

Rise (mm): 7001 - 13000

Basic specifications

Item	S600	S1000	
Models	ZS / Z	L / ZP	
Codes	Japan	code	
Power supply	AC 3-phase,	, 50 or 60Hz	
Lighting power supply	AC single-phas	se, 50 or 60Hz	
Rated speed	0.5m	n/sec	
Control system	Standard: AC1	Option: VVVF	
Transport capacity*1 (persons/hr)	4500 9000		
Inclination	30)°	
Environment	Standard: Indoor Option*2: Semi-outdoor / Outdoor		
Automatic oiler	Standard: None Option: Available		
Min. rise (mm)	70	01	
Max. rise (mm)	ZS / ZP: 1300	0 ZL: 9000 *3	
Step width (mm)	604	1004	
Escalator width (mm)	1150	1550	
Between Moving Handrails (mm)	840	1240	
Between Skirt Guards (mm)	610	1010	
Truss width (mm)	1100	1500	
Floor opening (mm)	1250	1650	

*1: Transport capacity varies depending on actual traffic conditions, so some dimensions and the motor capacity may have to be changed. Please consult your local Mitsubishi Electric sales agent for details if the number of passengers during peak time may equal or exceed the following numbers:

S600: 500 persons per 10 minutes

S1000: 1000 persons per 10 minutes

- *2: Please contact your local Mitsubishi Electric sales agent for semi-outdoor and outdoor use. For outdoor use, please refer to "Cautions for outdoor use" on page 13.
- *3: Please contact your local Mitsubishi Electric sales agent for rise ranging from 7239mm to 9000mm.



○ Step Level Device (SRS) A safety device that stops the escalator if the

horizontal level of a Step has dropped.

O Skirt Guard Safety Device (SSS)

A safety device to stop the escalator if a shoe or other item becomes trapped in the gap between the Step and Skirt Guard.

○ Comb-Step Safety Switch (CSS)

A safety device that stops the escalator if a foreign object becomes trapped in the gap between the Step and Comb.

Handrail Guard Safety Device (HGS)

- 1) Inlet Guard
- A guard made of soft rubber, which fits over the outside of the Moving Handrail where it enters the Balustrade to keep fingers, hands or foreign objects away from the Moving Handrail opening.
- Inlet Guard Switch A safety device that stops escalator when physical contact is made with the inlet.

• Step Link Safety Device (SLS)

A safety device that stops the escalator if the Step Link breaks or stretches beyond an allowable limit.



ESCALATOR

For **H**igh **H**ise

pecifications

For Japan Code

|--|

Division		Spec	ification	ZS	ZL	ZP
	Indoor				•	
Environment	Semi-outdoor				\bigcirc	
	Outdoor			0	N/A	0
	AC1					
	Inverter (VVVF)				O*1	1
Control	Automatic Operat	ion with Posts (Stationary in stand-by, AC1)		0	
system	Automatic Operat	ion with Posts (Slow operation in stand-by, Inverter)		0	
	Post-Free Automatic Operation (Slow operation in stand-by, Inverter)			0		
	Stop-Buzzer Key	Switch				
	Anti-Slip Floor Pla	te				
	Step with Anti-Slip	Grooves				
	Demarcation Line					
	Tiered Demarcation					
Safety	Step Demarcation	Lighting			0	
features	Comb Light				\bigcirc	
	Three Horizontal	Steps			0	
	Warning System on Moving Handrail Inlet (Inlet Sensor)				O*2	2
	Warning System of	on Outer Deck (Outer Deck Sensor)	0)*2	N/A
	Directional Indicate	or on Handrail Ir	nlet Cap (Handrail Inlet Cap LED Indicator)		0*2	2 *3
	Balustrade	Transparent t	empered glass panel)	N/A
	(See page 12 for	Under-Handrail Lighting				N/A
	sections.)	Stainless stee	el hairline panel	N//	A	
	Skirt Guard	Stainless steel hairline				
		Fluoropolyme	r Coating		0	
	Skirt Guard Lighting				N/A	○*4
	Deck Board	Stainless steel hairline				
Finish and	Step		by Step Tread			
decorative		Aluminum allo				
components		Yellow Dema				
	Floor Plate		anel (Embossed stainless steel)			
		Floor Name			0	
		Comb				
		Extension of I			0	
			f adjacent Floor Plates		0	
	Moving Handrail	Rubber	No. 0001 (Black)			
			No. 0502 to 0508 (See page 5 for colors.)		0	
		Polyurethan	No. 5001 to 5010 (See page 10 for colors.)		0	
	Handrail Inlet Cap	Plastic				
Others	MelEye				0	
	Automatic oiler				0	

*1: Please contact your local Mitsubishi Electric sales agent for VVVF control.

*2: Not applicable to semi-outdoor use.
*3: Installed only on the right-side Handrail Inlet Cap (when viewed from the boarding and landing areas).
*4: Not applicable to semi-outdoor and outdoor use.



(Unit: mm)

ayout



Please contact your local Mitsubishi Electric sales agent for: - VVVF control (Please note that TJ may increase from that shown.) - Reaction force, RA, RB, RC etc.

Standard dimensions

Туре			S600		S1000	
W1 (Escalator Width)			1150		1550	
W2 (Between Moving Handrails)		840		1240		
W3 (Between Skirt Guards)		610		1010		
Horizontal Steps	LF	UF	NK	NJ	ΤK	TJ
1.5 Steps(Nominal)*	850	1100	1385	1635	2015	2265
3 Steps	1440	1725	1975	2260	2605	2890

*Please contact your local Mitsubishi Electric sales agent for the actual number of steps.



jh2

For High Rise

Safety devices

The Series Z escalator is equipped with various safety devices that provide for safety and reliability.

For EN115 Code

●···Standard ○···Optional

Emergency Stop Button (E-STOP)

A button to immediately stop the escalator in emergency situations.

○ Step Motion Safety Device (CRS)

A safety device to stop the escalator when a Step has been dislocated on its riser side due to an object caught between the Steps, or between the Skirt Guard and the Step, or if an abnormality has been observed in the Step motion.

• Overload Detection Device

A safety device that stops the escalator if overload has been detected by abnormal current or temperature of the drive motor.

Drive Chain Safety Device (DCS)

A safety device that stops the escalator if the Drive Chain breaks or stretches beyond an allowable limit.

Speed Governor (GOV)

A safety device that stops the escalator if the speed significantly decreases or increases to 120% of the rated speed.

Electromagnetic Brake

A safety device that stops the escalator in the case of power failure, or if any safety device or the Emergency Stop Button has been activated.

○ Handrail Speed Safety Device (HSS)

A safety device that stops the escalator if the Moving Handrails fail to synchronize with the Steps due to slippage, loosening or breakage of the Moving Handrails.



For High Rise

Rise (mm): 7001 - 13000

For EN115 Code

Basic specifications

Item	S600	S1000		
Models	ZS / Z	L / ZP		
Codes	EN115	5 code		
Power supply	AC 3-phase,	, 50 or 60Hz		
Lighting power supply	AC single-phas	se, 50 or 60Hz		
Rated speed	0.5m	n/sec		
Control system	Standard: AC1	Option: VVVF		
Transport capacity*1 (persons/hr)	4500	9000		
Inclination	30°			
Environment	Standard: Indoor Option*2: Semi-outdoor / Outdoor			
Automatic oiler	Standard: None Option: Available			
Min. rise (mm)	7001			
Max. rise (mm)	ZS / ZP: 1300	0 ZL: 9000 *3		
Step width (mm)	604	1004		
Escalator width (mm)	1150	1550		
Between Moving Handrails (mm)	840	1240		
Between Skirt Guards (mm)	610	1010		
Truss width (mm)	1100 1500			
Floor opening (mm)	1250	1650		

*1: Transport capacity varies depending on actual traffic conditions, so some dimensions and the motor capacity may have to be changed. Please consult your local Mitsubishi Electric sales agent for details if the number of passengers during peak time may equal or exceed the following numbers:

S600: 500 persons per 10 minutes

S1000: 1000 persons per 10 minutes

*2: Please contact your local Mitsubishi Electric sales agent for semi-outdoor and outdoor use. For outdoor use, please refer to "Cautions for outdoor use" on page 13.

*3: Please contact your local Mitsubishi Electric sales agent for rise ranging from 7239mm to 9000mm.



Auxiliary brake

A safety device that stops the escalator if the speed exceeds the rated speed, or before the Steps' traveling direction changes due to an abnormality such as breakage of the Drive Chain.

• Step Level Device (SRS)

A safety device that stops the escalator if the horizontal level of a Step has dropped.

○ Skirt Guard Safety Device (SSS)

A safety device to stop the escalator if a shoe or other item becomes trapped in the gap between the Step and Skirt Guard.

Comb-Step Safety Switch (CSS)

A safety device that stops the escalator if a foreign object becomes trapped in the gap between the Step and Comb.

Handrail Guard Safety Device (HGS)

- 1) Inlet Guard
- A guard made of soft rubber, which fits over the outside of the Moving Handrail where it enters the Balustrade to keep fingers, hands or foreign objects away from the Moving Handrail opening.
- Inlet Guard Switch A safety device that stops escalator when physical contact is made with the inlet.

Step Link Safety Device (SLS)

A safety device that stops the escalator if the Step Link breaks or stretches beyond an allowable limit.



escalator SERIES

pecifications

Standard O····Optional N/A····Not applicable

Division		Specific	cation	ZS	71_	ZP
	Indoor			20		
Environment	Semi-outdoor				0	
	Outdoor			0	N/A	0
	AC1					
Control	Inverter (VVVF)				0*	1
Control	Automatic Operati	on with Posts (Stationary in stand-by, AC1)		0	
system	Automatic Operati	on with Posts (Slow operation in stand-by, Inverter)		0	
	Post-Free Automa	tic Operation (S	Blow operation in stand-by, Inverter)		0	
	Stop-Buzzer Key	Switch	· · · ·			
	Anti-Slip Floor Pla	te				
	Step with Anti-Slip	Grooves				
	Demarcation Line					
	Tiered Demarcation	on Line				
Safety	Step Demarcation	Lighting			0	
	Comb Light	<u> </u>			0	
	Three Horizontal Steps					
	Warning System on Moving Handrail Inlet (Inlet Sensor)					2
		on Outer Deck (Outer Deck Sensor))*2	N/A
	Directional Indicato	r on Handrail Inl	et Cap (Handrail Inlet Cap LED Indicator)		0*	2 *3
	Balustrade	Transparent tempered glass panel				N/A
	(See page 12 for	Under-Handrail Lighting				N/A
	sections.)	Stainless steel hairline panel			/A	
	Skirt Guard	Fluoropolymer Coating				
		Skirt Guard Lighting			N/A	○*4
	Deck Board	Stainless stee				
	Step	Aluminum allo				
Finish and		Aluminum alloy Cleat Riser				
decorative		Yellow Demarcation Line				
components	Floor Plate	Decorative Pa	nel (Embossed stainless steel)			
		Floor Name			\bigcirc	
		Comb				
		Extension of Floor Plate			0	
		Connection of adjacent Floor Plates			\bigcirc	
	Moving Handrail	Rubber	No. 0001 (Black)			
	-		No. 0502 to 0508 (See page 5 for colors.)	0		
		Polyurethan	No. 5001 to 5010 (See page 10 for colors.)		0	
	Handrail Inlet Cap	Plastic				
O	MelEye				0	
Others	Automatic oiler				\bigcirc	

*1: Please contact your local Mitsubishi Electric sales agent for VVVF control.

*2: Not applicable to outdoor use.

*3: Installed only on the right-side Handrail Inlet Cap (when viewed from the boarding and landing areas). *4: Not applicable to semi-outdoor and outdoor use.



Escalators in the graphics are based on the Japan Code, with optional Fluoropolymer Coating on Skirt Guard.

ayout

(Unit: mm)



Please contact your local Mitsubishi Electric sales agent for: - VVVF control (Please note that TJ may increase from that shown.) - Reaction force, RA, RB, RC etc.

Standard dimensions

Туре	S600	S1000
W1 (Escalator Width)	1150	1550
W2 (Between Moving Handrails)	840	1240
W3 (Between Skirt Guards)	610	1010

Horizontal Steps	LF	UF	NK	NJ
3 Steps	1440	1725	1975	2260

