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Overseas Business

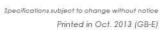
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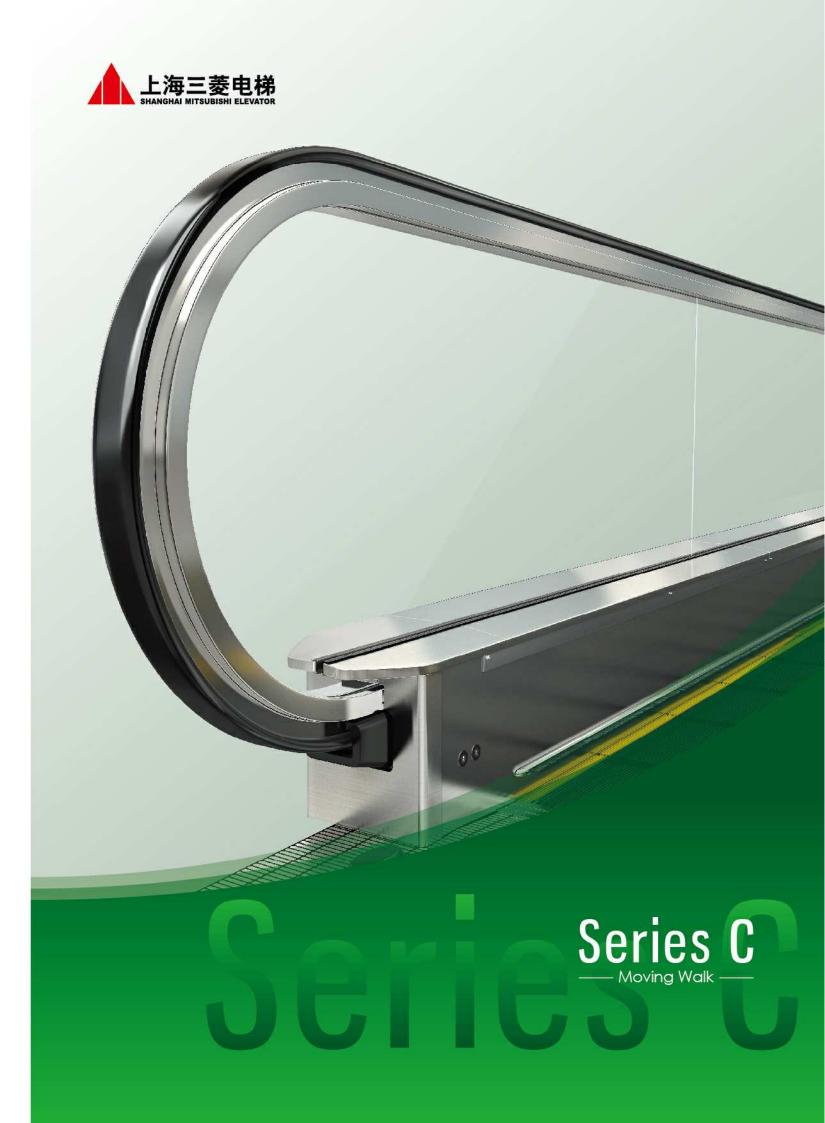
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Series C Moving Walk

C系列自动人行道

With the use of up-to-date technology, series C moving walk are fast, comfortable and safe. They not only can meet the ever increasing needs for passengers' traffic in modern cities, but also bring one after another bright flowing scenic line to city buildings.

This is a relaxed space in busy cities and it can provide an ongoing step of taking a rest to townspeople walking in a hurry. No matter when they are walking with a handcart or with a big bundle of articles, also no matter who is old or holds a baby in the arms, all of them can make a relaxed and fast movement by riding a moving walk, feeling that outgoing, shopping and sightseeing are all a kind of real easy thing.

Design Advantages and Merits are Everywhere 7-8 Type CS-LB/CS-LBF Type CS-SB/CS-SBF Decoration Configuration 9-10 Configration of Safety Device **Specification Data** Basic Specification 19-20



Safety and Energy-Saving Devices

moving walk to assure the highest safety under operation. The control cabinet and operation panel, which can be used to control the starting and braking, are set up in the electrical part to cut off the power supply by the control circuit when any abnormality of operation happens. The computer board is adopted in the electrical control system, which has such features as abnormal speed detection of passenger conveyor and its handrails, oiling control, etc., as well as failure display.

Energy Saving

Safety

High-efficiency helical gear reducer and new-type handrail driving device are adopted in the series C moving walk and the energy consumption can be saved. Passenger detecting devices are installed at two ends of entrance of moving walk for variable frequency to realize the feature of auto start and auto stop.

A series of safety protective devices have been installed in series C

Comfortable

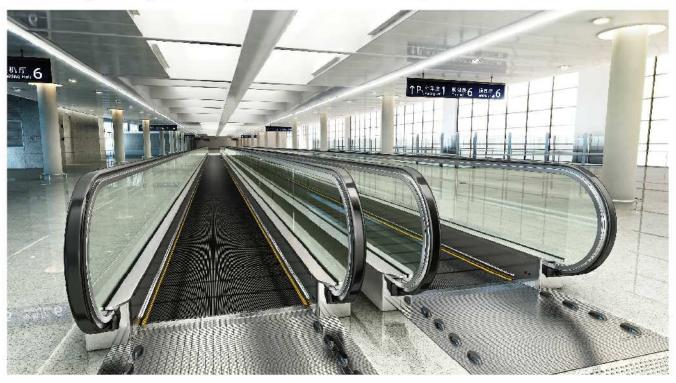
An advanced drive unit and reliable safety devices are installed in the series C moving walk, and moreover, a series of damping and anti-noise structures are used to make passengers feel comfortable, smooth and quiet during riding operation.

Large Transport Capacity

Series C moving walk have a large transport capacity. Series C moving walk can meet the requirements for modern passengers traffic of different aspects and they are suitable to many places such as airport, shopping center, hotel and recreational facilities, etc...

The space requirement for our unique creative design of moving walk has been reduced to the minimum. The sturdy structure can assure a large sufficient capacity. Every valuable space shall be saved and the requirements of modern city traffic shall be taken into full account while carrying the busy stream of people in large markets or airports.

The inclination angle of 0-12 degrees is available to option in accordance with different usage and environment.



Electric and Maintenance System





Longer Component Lifespan

The lifespan of high-precision helical gear reduce will reach 20 years; The linear handrail drive significantly increase the lifespan of handrail; The unloading guides at the cured track of moving walk enable the rollers not in touch with the guide rail at upper cured part, reduces the wheel load and abrasion of the rollers, and prolongs the lifespan of the rollers; Useing the automatic oil feeding device as the standard configuration significantly increase the lifespan of various chains; The standard interior-decorating components are made of stainless steel and are able to stand wear and tear.

Simple and Convenient Maintenance

The driving device of vertical layout has larger maintenance space than the driving device of horizontal layout, making the operation more convenient; Automatic oil feeding device adopted as the standard configuration. The moning walk uses a large number of chains, such as pallet chains, drive chains, handrail chain. The lubrication of these chains is essential for ensuring their lifespan and guaranteeing the performance and quality of the moving walk.

Advanced Electric System

With high-performance microprocessor adopted, the management, control, driving and communication of the moving walk are all integrated on one printed board, realizing the integrated design of the electrical system of moving walk; The self-developed technology of variable-pressure and frequency control realizes the current minimization control of electric motor, reduces the heating of IPM frequency components and improves the ability of the control screen to endure the environment of overheating; Modular design is adopted, realizing convenient expansion of the system.

Elegant and Exquisite Design and Decoration



As a kind of modern means of transportation which incarnates the elegant appearance of city, most of moving walk are installed in the thriving places of town. Series C moving walk designed according to high criterion have a wide range of optional decorations which can add luster to the city life in different places.



Type CS-LB / CS-LBF (with lighting)

The handrail down lighting of type CS-LB/CS-LBF moving walk creates a magnificent space, and its peaceful and smooth light can further serve as a foil to the elegant making of installation places of our moving walks.



Type CS-SB / CS-SBF

Super-slim handrail guides made of stainless steel are adopted in the CS-SB/CS-SBF moving walk and their structure is very compact, making passengers have a feeling that the handrails are sliding on glass, moving walk of this kind with succinct and sprightly outline have strong adaptability to



Decoration Configuration and Configration of Safety Device



Handrail Guide Rail





Aluminum alloy casting step with black painting



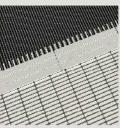
Cover Plates



Step Demarcation Cleat



Comb



Operations Indicator





Once drive chains are broken, this device shall cut off the power supply of motor and brake and at the same time the drive ratchet shall stop the operation of passenger conveyor.

Handrail safety device (HSS)

When the handrail speed is lower than 15% of the pallet speed and maintains for over 15 seconds, this device will immediately cut off the power supply of the drive motor and the brake.

Handrail Inlet Safety Device (HGS)

This protective cover made of rubber is wrapped in a wrinkled skin to prevent hands from being drawn into inlet, and thus, our moving walk are more safe for children.

Emergency Stop Button (E-STOP)

Once this button is pressed, the moving walk comes into an emergency stop.

Over speed Governor 1

When running speed exceeds 1.2 times of nominal speed; this device will work and cut off power supply to main drive unit and working brake.

Over speed Governor 2

When running speed exceeds 1.4 times of nominal speed; this device will work and cut off power supply to auxiliary brake.(HT>6m)



If any foreign matter is caught between Once the Pallet is abnormally extended or combs and treads, this device shall cut off the broken. This device shall cut off power supply power supply of driving motor and brake. of motor and brake

Pallet Roller safety device (PRS)

If any one of step axles is broken, resulting that the tread of upper or bottom landing and the relative combs can not mesh normally, this device shall cut off the power supply of driving motor and brake.

Emergency Stop Button (E-STOP)

moving walk are more safe for children.

Handrail Inlet Safety Device (HGS)

This protective cover made of rubber is

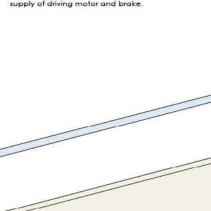
wrapped in a wrinkled skin to prevent hands

from being drawn into inlet, and thus, our

Once this button is pressed, the moving walk comes into an emergency stop.

Protection Against Phase Error and Loss

When input dynamic power source has any phase error or loss, cut off the main circuit and control circuit.













Pictures of computer painting may slightly differ from the actual. 10

Features

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Over-current Protection Ment the electric current of the frequency converter is too strong, stop the moving walk. OCP Ment the motor is overloaded, stop the moving walk. OVER SO	Handrail Velocity Inspection		HSS	(3)	(3)	
Motor Overload Protection When the motor is overloaded, stop the moving walk. Over-voltage Protection When the voltage of the frequency converter is too high, stop the moving walk. OVP Pallet chain safety device If the pallet chain is broken or abnormally extended, this device will cut off the power supply of the drive motor and the brake. Pallet Anti-static Device Detection of Power Phase Automatically inspect the power phase and frequency, and switch to bypass frequency converter in a shock-free manner. Realize self-adaptation control of power factors with the full frequency converter in a shock-free ptll Pallet Missing Safety Device Pallet Sinking Safety Device If the pallet sinks and the step cannot mesh with the comb plate, stop the moving walk. Proof the Passenger Detection Device Skirring Panel Safety Device When any foreign object falls between steps and skirring panels, stop the moving walk. Sisking Panel Safety Device When any foreign object falls between steps and skirring panels, stop the moving walk. Overheating Protection of Frequency Converter When the requency converter is overheaded, stop the moving walk. THMF Overheating Protection When the velocity of the escalator is below the rated velocity, stop the moving walk. I more converter When the velocity of the escalator is below the rated velocity, stop the moving walk. Provertice functions The escalator can be set to the operation under repair model, to make the installation and commissioning Panel Panel Fall P	Under-voltage Protection	When the voltage of the frequency converter is too low, stop the moving walk.	LVP	-	(3)	
Over-voltage Protection When the voltage of the frequency converter is too high, stop the moving walk. OVP Pallet chain safety device If the pallet chain is broken or abnormally extended, this device will cut off the power supply of the drive motor and the brake. Pallet Anti-static Device The device prevents static from occurring on the pallet. Detection of Power Phase Automatically inspect the power phase and frequency, and switch to bypass frequency converter in a shock-free manner. Realize self-adaptation control of power factors with the full frequency converter. Pallet Missing Safety Device When there is any pallet missing, the device takes action to stop the moving walk. PRIS S S S Monitoring Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. PSD Overheating Protection of Frequency Converter When the frequency converter is overheated, stop the moving walk from starting. When the frequency converter is overheated, stop the moving walk. THMF S Overheating Protection of Frequency Converter When the velocity of the escalator is below the rated velocity, stop the moving walk. PSS S S Overheating Protection When the velocity of the escalator is below the rated velocity, stop the moving walk. PSS S Overheating Protections The escalator can be set to the operation under repair model, to make the installation and commissioning The escalator can be set to the operation under repair model, to make the installation and commissioning The panels The escalator can be set to the operation under repair model, to make the installation and commissioning The escalator can be set to the operation under repair model, to make the installation and commissioning	Over-current Protection	When the electric current of the frequency converter is too strong, stop the moving walk.	OCP	-	(3)	
Pallet chain safety device If the pallet chain is broken or abnormally extended, this device will cut off the power supply of the drive motor and the brake. Pallet Anti-static Device The device prevents static from occurring on the pallet. PER Detection of Power Phase Automatically inspect the power phase and frequency, and switch to bypass frequency converter in a shock-free manner. Realize self-adaptation control of power factors with the full frequency converter. Pallet Missing Safety Device When there is any pallet missing, the device takes action to stop the moving walk. PRS S S Error of the Passenger Detection Device Skirting Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. SSS S S Monitoring Cohesion of the Starting Switch Overheating Protection of Frequency Converter When the frequency converter is overheated, stop the moving walk. THMF S S S PRS S S Men the requency Converter is overheated, stop the moving walk. FSS S S S PRS S S S S S S S S S S S S	Motor Overload Protection	When the motor is overloaded, stop the moving walk.	OCR	(3)	(\$)	
Pallet Anti-static Device The device prevents static from occurring on the pallet. PER \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Over-voltage Protection	When the voltage of the frequency converter is too high, stop the moving walk.	OVP	-	(3)	
Detection of Power Phase Automatically inspect the power phase and frequency, and switch to bypass frequency converter in a shock-free manner. Realize self-adaptation control of power factors with the full frequency converter. Pallet Missing Safety Device When there is any pallet missing, the device takes action to stop the moving walk. Pallet Sinking Safety Device If the pallet sinks and the step cannot mesh with the comb plate, stop the moving walk. PRS © Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model. Skirting Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. SSS © Self-diagnosis of the Starting Switch In case of cohesion of the starting switch, prevent the moving walk from starting. Overheating Protection of Frequency Converter Converter Low Velocity Protection When the requency converter is overheated, stop the moving walk. Ither Converter When the requency converter is overheated, stop the moving walk. Ither Converter When the velocity of the escalator is below the rated velocity, stop the moving walk. Ither Converter When a signal of fire-fighting action is received, stop the moving walk. PSS © © Converter Operations and Service Functions The escalator can be set to the operation under repair model, to make the installation and commissioning HAND © S	Pallet chain safety device		PCS	0	(3)	
manner. Realize self-adaptation control of power factors with the full frequency converter. Pallet Missing Safety Device When there is any pallet missing, the device takes action to stop the moving walk. Pallet Sinking Safety Device If the pallet sinks and the step cannot mesh with the comb plate, stop the moving walk. PRS Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model. PSD Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model. PSD Suitring Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. SSS SMD SWD SWD SWD SWD SWD SWD	Pallet Anti-static Device	The device prevents static from occurring on the pallet.	PER	(3)	(3)	
Pallet Sinking Safety Device Error of the Passenger Detection Device Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model. Skirting Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. SSS Monitoring Cohesion of the Starting Switch In case of cohesion of the starting switch, prevent the moving walk from starting. SWD SWD THMF Low Velocity Protection When the frequency converter is overheated, stop the moving walk. USP When the velocity of the escalator is below the rated velocity, stop the moving walk. Fire Stop When a signal of fire-fighting action is received, stop the moving walk. PESS Operations The escalator can be set to the operation under repair model, to make the installation and commissioning HAND SO SAFE SAFE SO SAFE SAF	Detection of Power Phase		PLL	-	(2)	
Error of the Passenger Detection Device Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model. Skirting Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. SSS \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Pallet Missing Safety Device	When there is any pallet missing, the device takes action to stop the moving walk.	PMS	(\$)	(3)	
Skirting Panel Safety Device When any foreign object falls between steps and skirting panels, stop the moving walk. Monitoring Cohesion of the Starting Switch In case of cohesion of the starting switch, prevent the moving walk from starting. Overheating Protection of Frequency Converter When the frequency converter is overheated, stop the moving walk. IthMF — Low Velocity Protection When the velocity of the escalator is below the rated velocity, stop the moving walk. Ithms — Emergency Operations Fire Stop When a signal of fire-fighting action is received, stop the moving walk. Penair The escalator can be set to the operation under repair model, to make the installation and commissioning HAND (S)	Pallet Sinking Safety Device	If the pallet sinks and the step cannot mesh with the comb plate, stop the moving walk.	PRS	(3)	(3)	
Monitoring Cohesion of the Starting Switch In case of cohesion of the starting switch, prevent the moving walk from starting. Overheating Protection of Frequency Converter When the frequency converter is overheated, stop the moving walk. Low Velocity Protection When the velocity of the escalator is below the rated velocity, stop the moving walk. Emergency Operations	Error of the Passenger Detection Device	Self-diagnosis of error with the passenger detection device. In case of any error, cancel the standby model.	PSD	_	(3)	
Overheating Protection of Frequency Converter When the frequency converter is overheated, stop the moving walk. Low Velocity Protection When the velocity of the escalator is below the rated velocity, stop the moving walk. USP S Operations and Service Functions The escalator can be set to the operation under repair model, to make the installation and commissioning HAND S THAND	Skirting Panel Safety Device	When any foreign object falls between steps and skirting panels, stop the moving walk.	SSS	(3)	(3)	
Converter When the trequency converter is overheated, stop the moving walk. Low Velocity Protection When the velocity of the escalator is below the rated velocity, stop the moving walk. Emergency Operations Fire Stop When a signal of fire-fighting action is received, stop the moving walk. Penair The escalator can be set to the operation under repair model, to make the installation and commissioning HAND.	Monitoring Cohesion of the Starting Switch	In case of cohesion of the starting switch, prevent the moving walk from starting.	SWD	(3)	(\$)	
Emergency Operations Fire Stop When a signal of fire-fighting action is received, stop the moving walk. Operations and Service Functions The escalator can be set to the operation under repair model, to make the installation and commissioning HAND		When the frequency converter is overheated, stop the moving walk.	THME	-	(2)	
Fire Stop When a signal of fire-fighting action is received, stop the moving walk. Operations and Service Functions The escalator can be set to the operation under repair model, to make the installation and commissioning HAND.	Low Velocity Protection	When the velocity of the escalator is below the rated velocity, stop the moving walk.	USP	(3)	(3)	
■ Operations and Service Functions The escalator can be set to the operation under repair model, to make the installation and commissioning HAND (S)	■ Emergency Operations					
Pengir The escalator can be set to the operation under repair model, to make the installation and commissioning	Fire Stop	When a signal of fire-fighting action is received, stop the moving walk.	FSS	0	0	
Penair International Action of the Committee of the Commi	■ Operations and Service Functions	2000000 10 10 10 10 10 10			100	
convenient.	Repair	The escalator can be set to the operation under repair model, to make the installation and commissioning convenient.	HAND	(\$)	\$	
Manually Shut Down Illumination Open or shut down illumination manually with the switch. (When auxiliary illumination below steps and/or at the handrails is equipped)	Manually Shut Down Illumination		LO-M *4	©	\$	
Automatic Operation Through the usage of passenger detection devices, the moving walk could operate with the nominal speed when there is any passenger, and shift to standby in case of no load.	Automatic Operation		MDA	-	\$	
Operation with Constant Velocity The moving walk keeps at the nominal velocity. MDC MDC	Operation with Constant Velocity	The moving walk keeps at the nominal velocity.	MDC	(3)	-	
Automatic Oil Feeding Add lubricating oil to the chains of the moving walk at predetermined time automatically.	Automatic Oil Feeding	Add lubricating oil to the chains of the moving walk at predetermined time automatically.	OIL	(3)	(3)	
Passenger Detection Device: Microwave but not the Column Pattern Adopt microwave sensors for the passenger detection device. PSM *5 —		Adopt microwave sensors for the passenger detection device.	PSM *5	-	0	

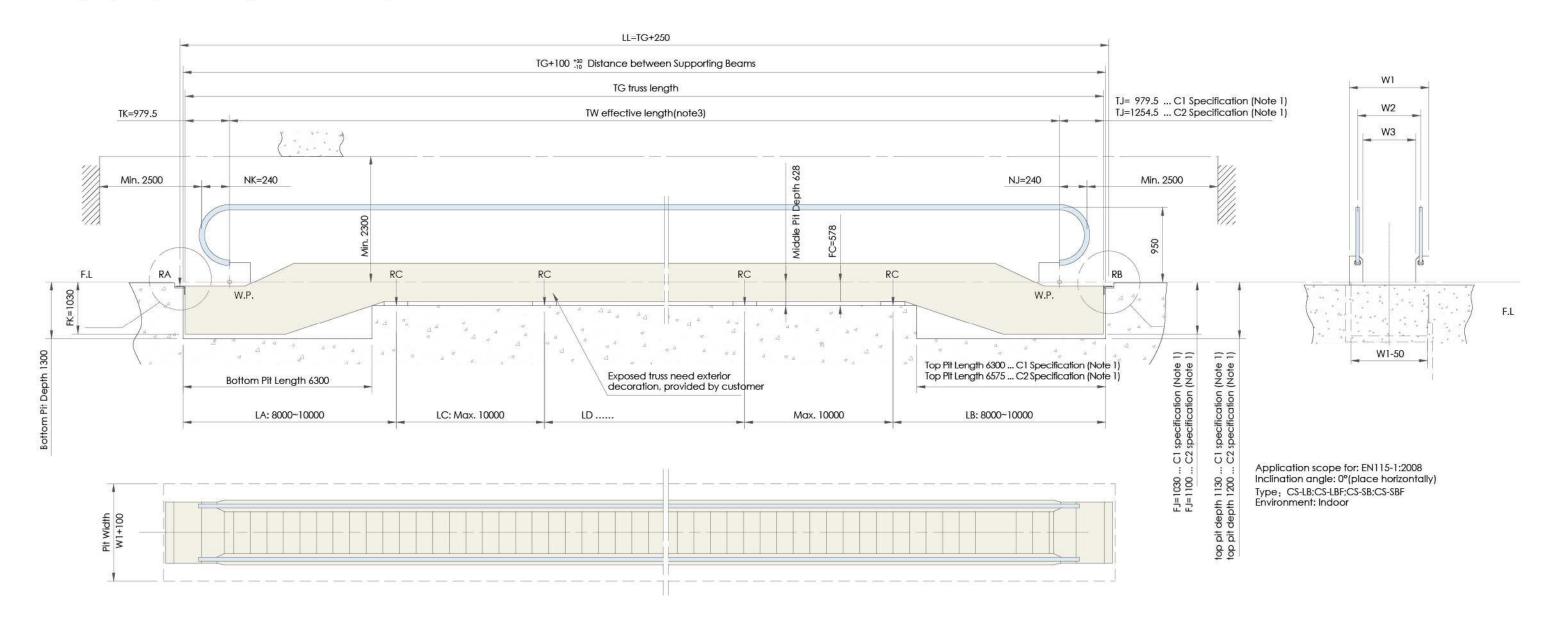
Feature	Description	Code	Non-frequency Conversion	Conve	
Operations and Service Functions					
Passenger sensing device: photoelectric non-pillar type	Only for variable-frequency moving walk; passenger sensing device: select one from three.	PSO *5*6	-	C	
Passenger Detection Device: Column Pattern	Adopt the photoelectric column for the passenger detection device.	PSP *5*6	-	C	
Low Velocity Standby	The moving walk operates below the nominal velocity in the condition of no load.	SBLS *7	-	(
Stop Standby	The moving walk stops in the condition of no load.	SBSP *7	-	(
Direct Start-up	Supply power with direct drive with mains at both starting and operation of the moving walk, and the frequency converter serves merely as a backup.	SDT *8	(3)	C	
Optional Directions of Operation	The direction of moving walk operation could be reversed.	UDA	(3)	(
Bypass Frequency Converter	Converter Supply power with frequency converter at starting, stop, and low velocity standby, and shift to direct drive with mains during operations with rated velocity.				
■ Information and Display					
Displaying Safety Device Codes	Carry out one-on-one inspection on safety devices, and display response error codes if there is any error.	ASD *6	0		
BA Interface	Use passive dry contact to output signals indicating basic status of the moving walk.	BA	0	(
Buzzer	Remind the passengers of moving walk starting, error, reversion, and etc.	BUZ	(3)	(
Operational Direction Indication	Indicate the passengers the operational direction, stop, no entry, or other conditions of the moving walk.	DI	0		
Reminder of Fire-protection Stop	When the moving walk stops for fire-protection reasons, release the signal of fire-protection stop.	FE-CP	0	(
Handrail Illumination	L-BAL *9	0	(
The Monitoring System	The system monitors the status of the moving walk with computers, and gives orders of starting or stop when necessary.	SMOS-II	0	(

Note:

- *1 Standard component when the rise is above 6 meters.
- *2 Non-standard component when the rise is 6 meters or below.
- *3 Standard component when auxiliary brakes are equipped.
- *4 When there is illumination system on the escalator.
- *5 PSM, PSO or PSP (PSM is the recommended option)
- *6 Non-standard
- *7 SBLS or SBSP (SBSP is recommended indoor option)
- *8 The normal start-up model for non-frequency conversion escalators, and backup for frequency conversion escalators.
- *9 Only for indoor CS-LB/CS-L BF
- *10 (§ Standard functions, (§) optional functions

11 12

Building Project Layout for Moving Walk of Horizontal Type



Civil Work Data

ltem .	Specification	Note
Length of the Upper Truss(mm)	979.5	Motor Power Capacity<11
	1254.5	Motor Power Capacity=11
Length of the Lower Trus(mm)	979.5	
Top Pit Depth(mm)	1030	Motor Power Capacity<11
	1100	Motor Power Capacity=11
Depth of the Middle Truss(mm)	578	
Bottom Pit Depth(mm)	1030	
Width of the Moving Walk(mm)	1550	Handrail nominal width 1200
	1750	Handrail nominal width 1400
	1950	Handrail nominal width 1600
Number Between Intermediate	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	

ltem	Specification	Note	
Distance Between Intermediate Supports LA	8000-10000	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LB	8000-10000	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Intermediate supports	
Distance Between Intermediate Supports LC	500-10000	2, 3, 4, 5, 6, 7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LD	500-10000	3, 4, 5, 6, 7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LE	500-10000	4, 5, 6, 7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LF	500-10000	5, 6, 7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LG	500-10000	6, 7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LH	500-10000	7, 8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LI	500-10000	8, 9, 10 intermediate supports	
Distance Between Intermediate Supports LJ	500-10000	9, 10 intermediate supports	
Distance Between Intermediate Supports LK	500-10000	10 intermediate supports	

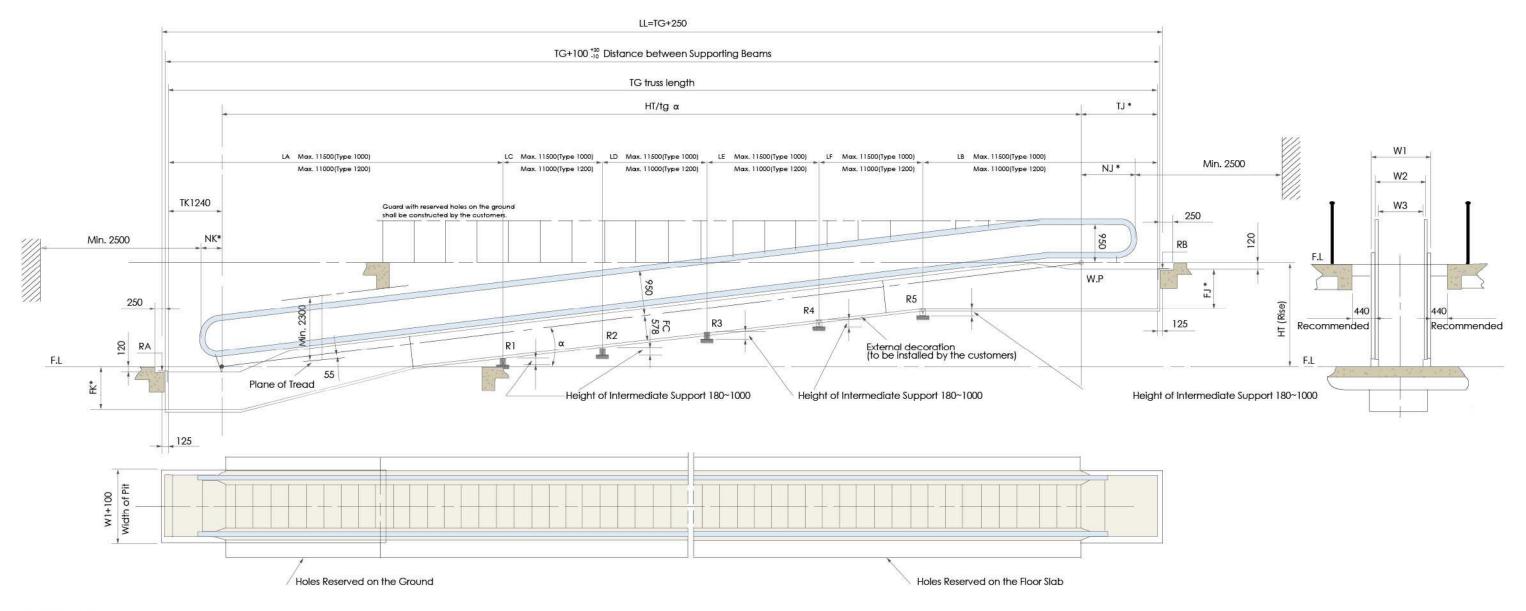
Note 1: For C1, using 5.5, 7.5 kW motor; For C2, using 11kW motor.

Note 2: This drawing is only applicable for indoor moving walk. For circumstances of outdoor, civil construction size and requirement varies greatly, please contact Shanghai Mitsubishi Elevator Co., Ltd

Note 3: This lay-out is only for schematic description. The detaid of request and paramter, please contact with Shanghai Mitsubishi elevator.

13

Building Project Layout for Moving Walk of Inclination Type



Civil Work Data

ltem	Specification	Note
Length of the Upper Truss(mm)	2070	INC=11.31°, Motor Power Capacity≤7.5
	2345	INC=11.31°, Motor Power Capacity=11
	1672	6° <inc≤8°, capacity≤7.5<="" motor="" power="" td=""></inc≤8°,>
	1947	6° <inc≤8°, capacity="11</td" motor="" power=""></inc≤8°,>
	1917	8° <inc≤10°, capacity≤7.5<="" motor="" power="" td=""></inc≤10°,>
	2192	8° <inc≤10°, capacity="11</td" motor="" power=""></inc≤10°,>
	2034	10° <inc≤11°, capacity≤7.5<="" motor="" power="" td=""></inc≤11°,>
	2309	10° <inc≤11°, capacity="11</td" motor="" power=""></inc≤11°,>
	2148	11° <inc≤12°, capacity≤7.5,="" inc≠11.31<="" motor="" power="" td=""></inc≤12°,>
	2423	11° <inc≤12°, capacity="11," inc≠11.31<="" motor="" power="" td=""></inc≤12°,>
Length of the Lower Trus(mm)	1240	
Top Pit Depth(mm)	1030	Motor Power Capacity≤7.5
	1100	Motor Power Capacity=11
Depth of the Middle Truss(mm)	1040	
Bottom Pit Depth(mm)	578	

ltem .	Specification	Note
Width of the Moving Walk(mm)	1350	Handrail nominal width 1000
	1550	Handrall nominal width 1200
Number Between Intermediate	0, 1	Handrail nominal width 1200, TG≤11000; Handrail nominal width 1000, TG≤11500
	1, 2, 3, 4	Handrail nominal width 1200, TG>11000; Handrail nominal width 1000, TG>11500
Distance Between Intermediate Supports LA	6000-11000	Handrail nominal width 1200. 1, 2, 3, 4 intermediate supports
	6000-11500	Handrail nominal width 1000. 1, 2, 3, 4 intermediate supports
Distance Between Intermediate Supports LB	6000-11000	Handrail nominal width 1200. 1, 2, 3, 4 intermediate supports
	6000-11500	Handrail nominal width 1000. 1, 2, 3, 4 intermediate supports
Distance Between Intermediate Supports LC	500-11000	Handrail nominal width 1200. 2, 3, 4 intermediate supports
	500-11500	Handrail nominal width 1000. 2, 3, 4 intermediate supports
Distance Between Intermediate Supports LD	500-11000	Handrail nominal width 1200. 3, 4 intermediate supports
	500-11500	Handrail nominal width 1000. 3, 4 intermediate supports
Distance Between Intermediate Supports LE	500-11000	Handrail nominal width 1200. 4 intermediate supports
	500-11500	Handrail nominal width 1000. 4 intermediate supports

Note: When The size TG for model 1200 is more than 11000mm, the intermediate supports are needed.

15

Civil Work Data

Series C

Relation between the Driving Power and the Nominal Length(TW) for Moving walk of Horizontal Type

ltem .	Speci	fication	<u> </u>								_	_			Power(kW)
Handrail Nominal Width(mm)				1200						1	400/160	00			
Operation Speed(m/s)				0.5	10	,				,	0.5		10	,	
Inclination Angle	0°	l°	2°	3°	4°	5°	6°	0°	1°	2°	3°	4°	5°	6°	
Effective Length(m)	70	50	40	35	30	25	20	60	45	35	25	25	20	15	5.5 (C1)
	95	70	60	50	40	35	30	80	60	50	40	35	30	25	7.5 (C1)
	100	95	90	75	60	55	50	100	90	70	60	50	45	40	11 (C2)
Operation Speed(m/s)		0.65					0.65								
Inclination Angle	0°	10	2°	3°	4º	5°	6°	0°	10	2°	3°	4°	5°	6°	
Effective Length(m)	50	40	30	25	20	20	15	45	30	25	20	15	15	15	5.5 (C1)
	70	55	45	35	30	25	25	60	45	35	30	25	20	20	7.5 (C1)
	100	85	65	55	45	40	35	95	75	55	45	40	35	25	11 (C2)

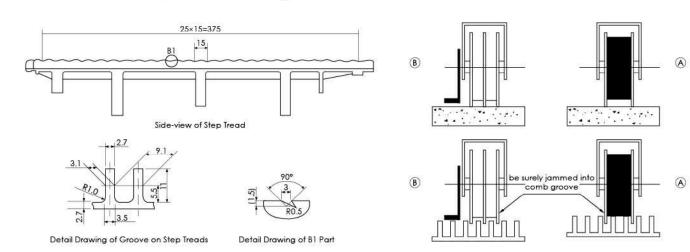
Relation between the Driving Power and the Max. Height of Travel for Moving Walk of Inclination Type

ltem	Specification							
Serial No.	CS-LBF	CS-LB CS-LBF	CS-LB CS-LBF	CS-LB CS-LBF	CS-SBF	CS-SB CS-SBF	CS-SBF	CS-SB CS-SBF
Handrail Nominal Width(mm)	1000	1200	1000	1200	1000	1200	1000	1200
Operation Speed(m/s)	C	.5	0.	.65	0	.5	0	.5
Power/Inclination Angle 8°							ISI.	
5.5KW(C1)	4m	3.4m	3.1m	2.6m	3.2m	2.8m	3.0m	2.4m
7.5KW(C1)	6m	4.7m	4.3m	3.6m	5.2m	4.4m	4.4m	3.2m
11KW(C2)	6.7m	6.7m	6.4m	5.4m	1 	5.2m	5.2m	5.0m
Power/Inclination Angle 10°								
5.5KW(C1)	4.4m	3.7m	3.3m	2.8m	3.5m	3m	3.2m	2.5m
7.5KW(C1)	6m	5.1m	4.6m	3.9m	5.9m	4.6m	4.7m	3.7m
11KW(C2)	7.7m	7.6m	6.9m	5.8m	5 5 - 5 6	5.9m	5.9m	5.3m
Power/Inclination Angle 11°						,		
5.5KW(C1)	4.5m	3.8m	3.4m	2.9m	3.6m	3.1m	3.3m	2.6m
7.5KW(C1)	6m	5.2m	4.8m	4m	6.0m	4.7m	4.8m	3.8m
11KW(C2)	8.2m	7.8m	7.1m	6m	6.2m	6.2m	6.2m	5.4m
Power/Inclination Angle 11.31°								
5.5KW(C1)	4.5m	3.8m	3.4m	2.9m	3.7m	3.1m	3.3m	2.6m
7.5KW(C1)	6m	5.2m	4.8m	4m	6.0m	4.7m	4.8m	3.8m
11KW(C2)	8.4m	7.8m	7.2m	6m	6.3m	6.3m	6.3m	5.4m
Power/Inclination Angle 12°								
5.5KW(C1)	4.6m	3.8m	3.5m	2.9m	3.8m	3.2m	3.4m	2.7m
7.5KW(C1)	6m	5.3m	4.9m	4.1m	6.0m	4.8m	4.9m	3.9m
11KW(C2)	8.6m	7.9m	7.3m	6m	6.5m	6.5m	6.5m	5.5m

Requirements for Choosing and Applying Shopping Carts and Luggage Carts on Moving Walk

- It's permitted to applying carts with eligible design on moving walk (according to EN 1929-2 and 1929-4). The manufacturers of shopping carts and luggage carts must
 certify that the carts are coordinate with moving walk. Otherwise, there might be a danger. It's necessary to prevent incoordinate carts getting on moving walk.
- The width of carts and the goods they are carrying must be 400mm less than width of step treads so that passengers can leave even if the carts are on moving walk.
- $\bullet\,$ The rated speed must be limited to 0.5 m/s for moving walks with an inclination angle greater than 6°
- The diameter of roller wheel on carts must be 120 mm at least.
- Shopping carts and luggage carts must be in accordance with the design of moving walk:
- -Ensure the design of shopping carts and luggage carts is safe for correct carrying.
- —When shopping carts and luggage carts are in full load, the maximum weight of them is 75kg.
- ---Shopping carts and luggage carts must be configured with self-hold device when they are on inclination part of moving walk.
- —Stop device must be configured.
- ----Anti-divergence device (buffer) must be configured for avoiding danger of being jammed.
- —When getting off moving walk, it's necessary for rear wheel of carts pushing fore wheel to roll across the comb, and fore wheel and stop device must be easily released from steps.
- —To ensure the alignment after shopping carts and luggage carts getting on moving walk, anti-divergence device and guide device must spread to surrounding area.
- ----Add safe signs for safe and correct usage of shopping carts and luggage carts.
- Before applying the carts formally, do tests to confirm there is no problem.
- The size reference of roller wheels on carts is shown in the figure below:

Sectional View of Step Treads on Moving Walk



Basic Specifications for Moving Walk of Horizontal Type

ltem .	Specification			Note
Nominal Width Between Handrails (mm)	1200	1400	1600	For type CS-B, CS-LB, CS-BF, CS-LBF
stance Between Center Lines of Handrails (mm)	1280	1480	1680	For type CS-SB, CS-SBF
	1208	1408	1608	
Nominal Width of Pallet (mm)	1004	1204	1404	
Maximum Load (Person/Hour)	6000	6000	6000	Velocity: 0.5m/s
	7300	7300	7300	Velocity: 0.65m/s
Effective Length(m)	12-100	12-100	12-100	INC=0°, Velocity: 0.5m/s
	12-100	12-95	12-95	INC=0°, Velocity: 0.65m/s
	12-95	12-90	12-90	0° <inc<1°, 0.5m="" s<="" td="" velocity:=""></inc<1°,>
	12-85	12-70	12-70	0° <inc<1°, 0.65m="" s<="" td="" velocity:=""></inc<1°,>
	12-90	12-70	12-70	1° <inc<2°, 0.5m="" s<="" td="" velocity:=""></inc<2°,>
	12-65	12-55	12-55	1° <inc<2°, 0.65m="" s<="" td="" velocity:=""></inc<2°,>
	12-75	12-60	12-60	2° <inc<3°, 0.5m="" s<="" td="" velocity:=""></inc<3°,>
	12-55	12-45	12-45	2° <inc<3°, 0.65m="" s<="" td="" velocity:=""></inc<3°,>
	12-60	12-50	12-50	3° <inc<4°, 0.5m="" s<="" td="" velocity:=""></inc<4°,>
	12-45	12-40	12-40	3° <inc<4°, 0.65m="" s<="" td="" velocity:=""></inc<4°,>
	12-55	12-45	12-45	4° <inc<5°, 0.5m="" s<="" td="" velocity:=""></inc<5°,>
	12-40	12-35	12-35	4° <inc<5°, 0.65m="" s<="" td="" velocity:=""></inc<5°,>
	12-50	12-40	12-40	5° <inc<6°, 0.5m="" s<="" td="" velocity:=""></inc<6°,>
	12-35	12-30	12-30	5° <inc<6°, 0.65m="" s<="" td="" velocity:=""></inc<6°,>
Serial No.	CS-B, CS-LB, CS-SI	B, CS-BF, CS-LBF, C	S-SBF	
Angle of Inclination (Degree)	0-6			
Velocity (m/s)	0.5, 0.65			
Applicable Environment	Indoor			
Drive System	Direct Drive			For type CS-B, CS-LB, CS-SB
	VVVF Drive			For type CS-BF, CS-LBF, CS-SBF
Drive Power Supply	380V50Hz three-p	hase and five-wire	Î	
Illumination Power Supply	220V50Hz single p	hase		

Illumination Power (single phase AC 220V, 50Hz)

Serial No.	CS-LB,CS-LBF	CS-B,CS-BF,CS-SB,CS-SBF	
Illumination Power Capacity (kVA)	2.3	1.3	12 <effective length<20<="" td=""></effective>
	3.5	1.3	20 <effective length<40<="" td=""></effective>
	4.5	1.3	40 <effective length<60<="" td=""></effective>
	5.5	1.3	60 <effective length<80<="" td=""></effective>
	6.7	1.3	80 <effective length<100<="" td=""></effective>

Driving Power (three phase AC 380V, 50Hz)

Driving Power Capacity (kVA)	8	Motor Power Capacity=5.5
	10.4	Motor Power Capacity=7.5
	15.4	Motor Power Capacity=11

Basic Specifications for Moving Walk of Inclination Type

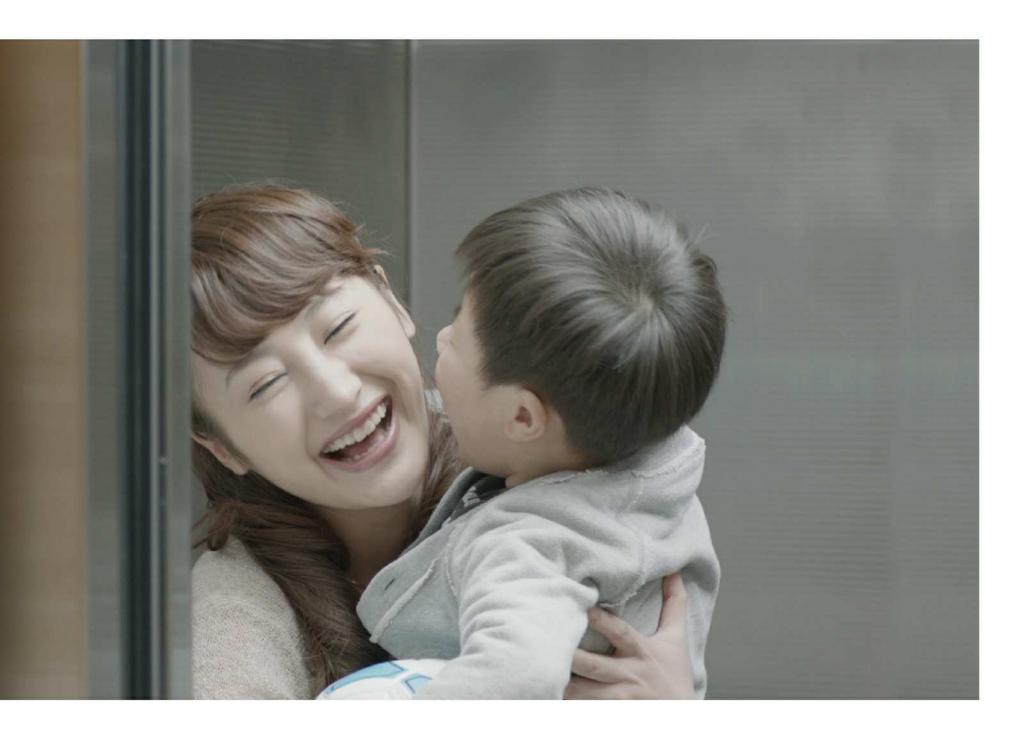
ltem.	Specification		Note			
Nominal Width Between Handrails (mm)	1000 1200		For type CS-LB, CS-LBF, CS-B, CS-BF			
Distance Between Center Lines of Handrails (mm)	1080 1280		For type CS-SB, CS-SBF			
	1008	1208				
Nominal Width of Pallet (mm)	804	1004				
Maximum Load (Person/Hour)	4800	6000	Velocity: 0.5m/s			
	5900	7300	Velocity: 0.65m/s			
Rise(mm)	2023-5400	2023-5400	6° <inc≤8°, 0.5m="" cs-b,="" cs-bf<="" cs-lb,="" cs-lbf,="" for="" s,="" td="" type="" velocity:=""></inc≤8°,>			
	2023-5200	2023-5200	6° <inc≤8°, 0.65m="" cs-b,="" cs-bf<="" cs-lb,="" cs-lbf,="" for="" s,="" td="" type="" velocity:=""></inc≤8°,>			
	2023-4300	2023-4300	6° <inc≤8°, 0.5m="" cs-sb,="" cs-sbf<="" for="" s,="" td="" type="" velocity:=""></inc≤8°,>			
	2023-4300	2023-4300	6° <inc≤8°, 0.65m="" cs-sb,="" cs-sbf<="" for="" s,="" td="" type="" velocity:=""></inc≤8°,>			
	2023-6700	2023-6700	8° <inc≤10°, 0.5m="" cs-b,="" cs-bf<="" cs-lb,="" cs-lbf,="" for="" s,="" td="" type="" velocity:=""></inc≤10°,>			
	2023-6400	2023-5400	8° <inc≤10°, 0.65m="" cs-b,="" cs-bf<="" cs-lb,="" cs-lbf,="" for="" s,="" td="" type="" velocity:=""></inc≤10°,>			
	2023-5200	2023-5200	8° <inc≤10°, 0.5m="" cs-sb,="" cs-sbf<="" for="" s,="" td="" type="" velocity:=""></inc≤10°,>			
	2023-5200	2023-5000	8° <inc≤10°, cs-sb,="" cs-sbf<="" for="" s,="" td="" type="" velocity:0.65m=""></inc≤10°,>			
	2023-7700	2023-7600	10° <inc≤11°, 0.5m="" cs-b,="" cs-bf<="" cs-lb,="" cs-lbf,="" for="" s,="" td="" type="" velocity:=""></inc≤11°,>			
	2023-6900	2023-5800	10° <inc≤11°, 0.65m="" cs-b,="" cs-bf<="" cs-lb,="" cs-lbf,="" for="" s,="" td="" type="" velocity:=""></inc≤11°,>			
	2023-5900	2023-5900	10° <inc≤11°, 0.5m="" cs-sb,="" cs-sbf<="" for="" s,="" td="" type="" velocity:=""></inc≤11°,>			
	2023-5900	2023-5300	10° <inc≤11°, 0.65m="" cs-sb,="" cs-sbf<="" for="" s,="" td="" type="" velocity:=""></inc≤11°,>			
	2145-8200	2145-7800	11° <inc≤12°, cs-b,="" cs-bi<="" cs-lb,="" cs-lbf,="" for="" inc≠11.31°,="" s,="" td="" type="" velocity:0.5m=""></inc≤12°,>			
	2145-7100	2145-6000	11° <inc≤12°, 0.65m="" cs-b,="" cs-e<="" cs-lb,="" cs-lbf,="" for="" inc≠11.31°,="" s,="" td="" type="" velocity:=""></inc≤12°,>			
	2145-6200 2145-6200 2145-6200 2145-5400		11° <inc≤12°, 0.5m="" cs-sb,="" cs-sbf<="" for="" inc≠11.31°,="" s,="" td="" type="" velocity:=""></inc≤12°,>			
			11° <inc≤12°, 0.65m="" cs-sb,="" cs-sbf<="" for="" inc≠11.31°,="" s,="" td="" type="" velocity:=""></inc≤12°,>			
	2023-8400	2023-7800	INC: 11.31°, Velocity: 0.5m/s, For type CS-LB, CS-LBF, CS-B, CS-BF			
	2023-7200	2023-6000	INC: 11.31°, Velocity: 0.65m/s, For type CS-LB, CS-LBF, CS-B, CS-BF			
	2023-6300	2023-6300	INC: 11.31°, Velocity: 0.5m/s, For type CS-SB, CS-SBF			
	2023-6300	2023-5400	INC: 11.31°, Velocity: 0.65m/s, For type CS-SB, CS-SBF			
Serial No.	CS-LB, CS-SB,CS-B, CS-LBF, CS-SBF, CS-BF					
Angle of Inclination (Degree)	8, 10, 11, 11.31, 12		6° <inc<12°< td=""></inc<12°<>			
Velocity (m/s)	0.5, 0.65					
	0.5					
Applicable Environment	Indoor					
Drive System	Direct Drive		For type CS-B, CS-LB, CS-SB			
	VVVF Drive		For type CS-BF, CS-LBF, CS-SBF			
Drive Power Supply	380V50Hz three-ph	ase and five-wire				
Illumination Power Supply	220V50Hz single ph	200				

Illumination Power (single phase AC 220V, 50Hz)

Serial No.	CS-LB,CS-LBF	CS-B,CS-BF,CS-SB,CS-SBF	
Illumination Power Capacity (kVA)	2.6	1.3	Rise ≤3000
	3.7	1.3	3000 <rise 6000<="" td="" ≤=""></rise>
	4.3	1.3	6000 <rise td="" ≤9000<=""></rise>

Driving Power (three phase AC 380V, 50Hz)

Driving Power Capacity (kVA)	8	Motor Power Capacity=5.5
	10.4	Motor Power Capacity=7.5
	15.4	Motor Power Capacity=11



Sense of Secure and Peace to Create Harmonious Space of Life

Technology Improves Life
Science Guides the Smart Future
Shanghai Mitsubishi Elevator stays beside you



