

PASSENGER ELEVATORS
(MACHINE-ROOM-LESS SYSTEM)
For USA

Diamond Trac[®]
STREAMLINE




Basic specifications

No. of elevators	<input type="checkbox"/> 1C <input type="checkbox"/> 2C <input type="checkbox"/> 3C <input type="checkbox"/> 4C <input type="checkbox"/> 5C <input type="checkbox"/> 6C <input type="checkbox"/> 7C <input type="checkbox"/> 8C
Operation	<input type="checkbox"/> 2BC (for 1C) <input type="checkbox"/> ΣAI-22 (for 2C to 4C) <input type="checkbox"/> ΣAI-2200C (for 2C to 8C)
Speed [ft/min]	<input type="checkbox"/> 200 <input type="checkbox"/> 350 <input type="checkbox"/> 500

Horizontal dimensions (Side counterweight arrangement)*1

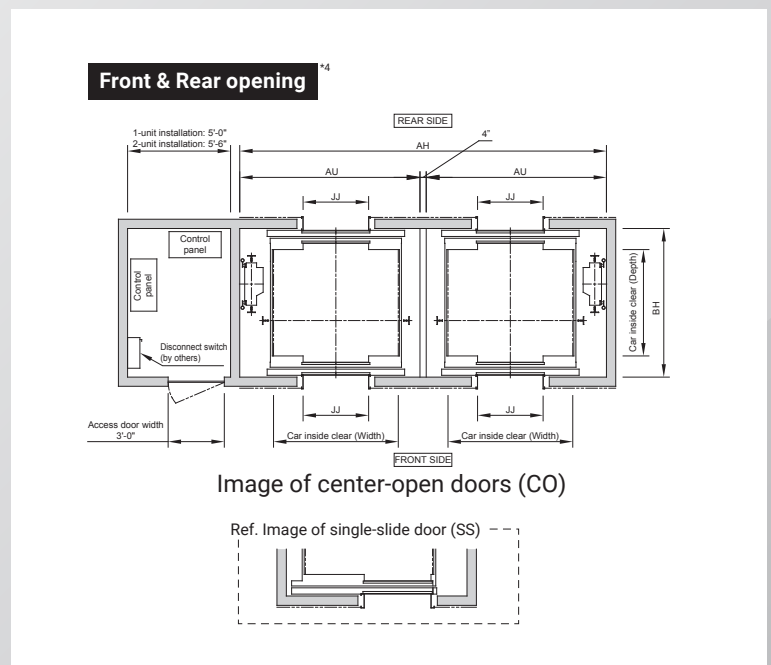
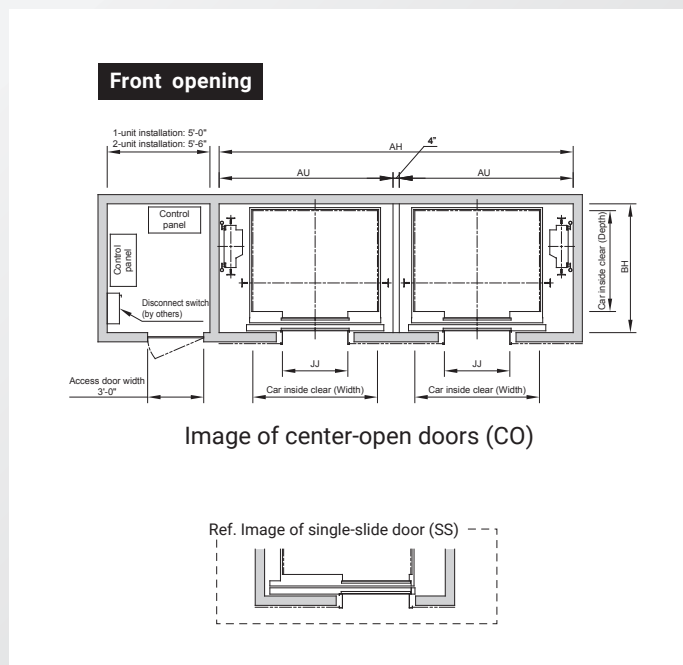
Opening	Capacity [lb]	Door type*2	Car inside clear dimensions		Entrance width JJ [ft-in]	Minimum hoistway dimensions*3		Counterweight safety
			Width [ft-in]	Depth [ft-in]		Width AU [ft-in]	Depth BH [ft-in]	
<input type="checkbox"/> Front	<input type="checkbox"/> 3000	<input type="checkbox"/> CO <input type="checkbox"/> SS	6'-8"	5'-0"	3'-6"	9'-2"	6'-5"	Without
	<input type="checkbox"/> 3500			5'-4 3/4"			6'-8"	
	<input type="checkbox"/> 4000	CO	7'-8"	6'-11"				
<input type="checkbox"/> Front & Rear	<input type="checkbox"/> 3500	<input type="checkbox"/> CO <input type="checkbox"/> SS	6'-8"	5'-5 1/2"	3'-6"	9'-2"	7'-4"	
	<input type="checkbox"/> 4000	CO	7'-8"		4'-0"	10'-2"		

*1: All dimensions and specifications are provided in accordance with seismic conditions.

*2: SS: Single-slide door, CO: Center-open doors

*3: These are values after waterproofing and do not include plumb tolerance.

Basic layouts (example)



*4: The front side of a two-gate elevator is the side that satisfies all of the following criteria.

- The side with the entrance of one-gate elevator if both one- and two-gate elevators exist in a group
- The side with FE Phase-1 switch for ASME and the entrance on an alternative return floor
- The side with FE Phase-2 switch for ASME and the car operating panel equipped with switches in the service cabinet
- The side with the entrance on main floor service
- The side with the entrance on the top service floor and an access switch
- The side opposite to the traction machine side

Vertical dimensions (Side counterweight arrangement)*5

Capacity [lb]	Speed [ft/min]	Minimum pit depth [ft-in] ^{6,9}		Minimum overhead [ft-in]			Minimum travel [ft-in]	Entrance height [ft-in]	Minimum floor height [ft-in] ⁸
		Travel [ft]		Cab height [ft-in] ⁷					
		Travel ≤ 98'-5"	Travel ≤ 196'-10"	8'-0"	9'-0"	10'-0"			
□ 3000	□ 200	5'-5"	5'-6"	14'-3"	15'-3"	16'-3"	13'-10"	7'-0" 8'-0"	Entrance height +1'-6"
	□ 350	6'-5"	6'-6"	14'-3"	15'-3"	16'-3"	24'-8"		
	□ 500	7'-2"	7'-3"	14'-8"	15'-8"	16'-8"	44'-4"		
□ 3500	□ 200	6'-5" (6'-5")	6'-6" (6'-6")	14'-3"	15'-3"	16'-3"	13'-10"		
	□ 350	6'-5" (7'-5")	5'-6" (7'-6")	14'-3"	15'-3"	16'-3"	24'-8"		
	□ 500	6'-2" (7'-2")	5'-6" (7'-3")	14'-8"	15'-8"	16'-8"	44'-4"		
□ 4000	□ 200	5'-6" (6'-0")	5'-7" (6'-1")	14'-8"	15'-8"	16'-8"	13'-10"		
	□ 350	5'-9" (6'-3")	5'-10" (6'-4")	15'-5"	16'-5"	17'-5"	24'-8"		
	□ 500	5'-9" (6'-3")	5'-10" (6'-4")	15'-5"	16'-5"	17'-5"	44'-4"		

Maximum hoistway dimensions			
Pit depth [ft-in] ⁹	Travel [ft-in]	Floor height [ft-in]	No. of stops
13'-9"	196'-10 3/16"	20'-0" ¹⁰	24 ¹¹

*5: The contents herein are standard specifications and layouts without counterweight safety. They are also provided in accordance with seismic conditions.

*6: The minimum pit depth is obtained when the floor recess is 3/4". The table provides the cases for front and rear opening, shown within parentheses (i.e., "()").

*7: The minimum overhead dimensions are obtained on condition that:
A. Overhead dimensions does not include the hoisting beams.
B. Please consult your structural engineer for hoisting beam sizing (typically a 6" to 8" beam plus 2" gap on top of the beam).

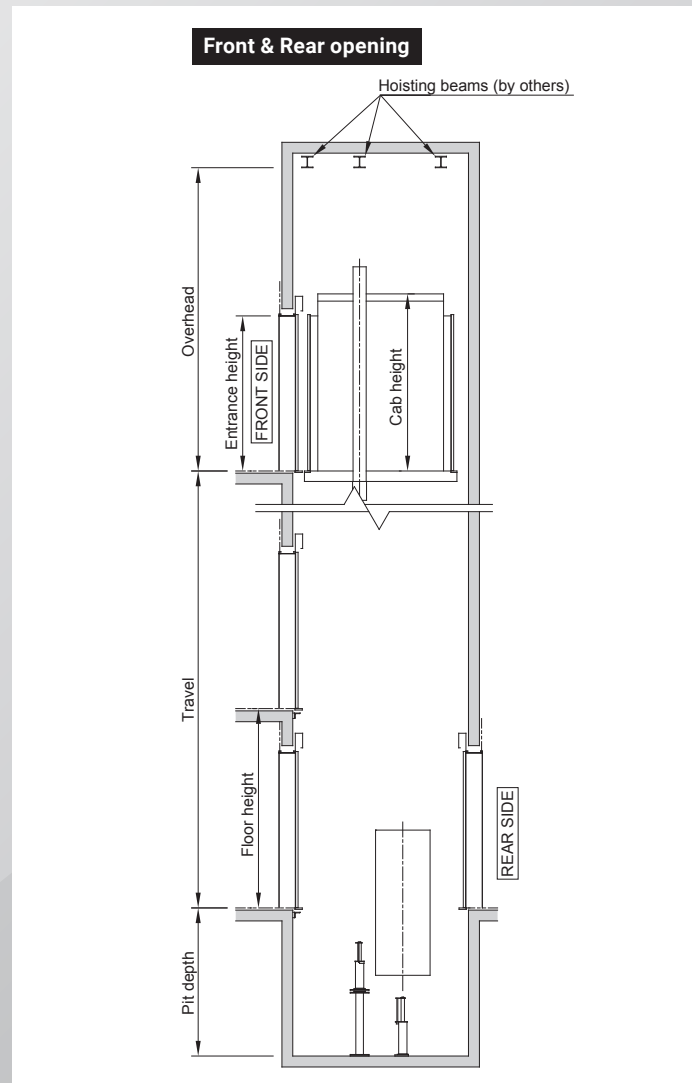
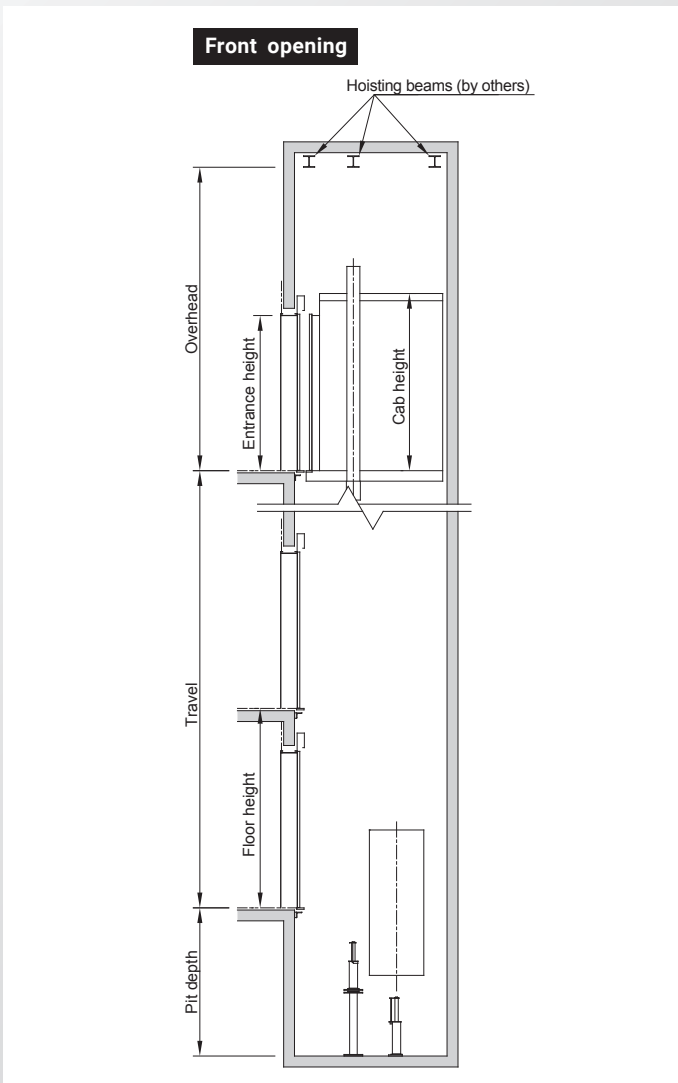
*8: Minimum floor height between front and rear entrances is 1'-7 11/16".
If car arrival chime required at floor landing(AECH) in lieu of on car, then additional 5" required.

*9: Only pit ladder is applicable to this series elevator. Walk-in Pit is not applicable. Pit access by ladder is not permitted when the pit floor is more than 10'-0" below the sill of the access door, except where there is no building floor below the bottom terminal landing, in which case the maximum height may be extended to 13'-9". (References: ASME A 17.1 2004 2.2.4.2)


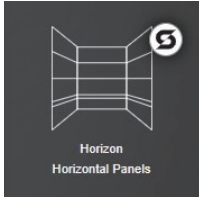
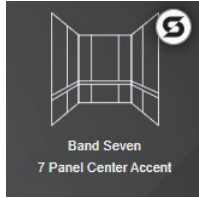
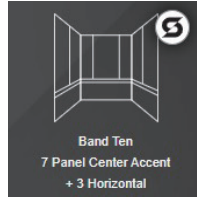


*10: When floor height exceeds 15'-6" and Drywall is applied, intermediate support of strut must be prepared by customer. Otherwise, Diamond Trac STREAMLINE is not applicable.

*11: Maximum 20 stops when car button lamp is white and capacity is 3000lb or 3500lb.



Basic layouts (example)



Car finishes and designs


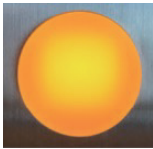

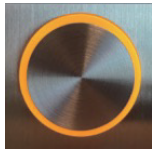
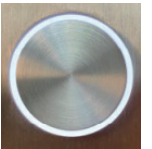
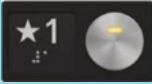
Car design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				
Wall finish	Stainless steel	<input type="checkbox"/> Brushed stainless steel (SUS #4)		<input type="checkbox"/> Patterned stainless steel (5WL)
	Laminate	*12		
Ceiling design		<p>*12: Plastic laminate selections are provided by a third party. A list of those can be found here: https://www.wilsonart.com/laminate/standard-1</p> <p>Should you have any further questions, please consult your Mitsubishi Representative.</p>		
Door	SUS #4			
Flooring thickness	3/4"			
Car sill	Aluminum			

Car options

Car lantern	<input type="checkbox"/> No	<input type="checkbox"/> Yellow-orange	<input type="checkbox"/> White	Car sill extension	No
				Handrail	Yes ^{*13}
				Destination floor indicator (for DOAS)	<input type="checkbox"/> No <input type="checkbox"/> Yes (LED)

*13: Round type (HR type) and 3-side handrails (1D1G) and 2-side handrails (1D2G, 2D2G) with SUS #4 finish.

Car operating panel

Location	Front side	<input type="checkbox"/> Main <input type="checkbox"/> Main & auxiliary.	
	Rear side ^{*14}	<input type="checkbox"/> Main	
Type	Swing type		
Indicator	<input type="checkbox"/> LED <input type="checkbox"/> 10.4 inch LCD (portrait orientation)		
Car option indicator (LED type indicator)	Seismic service		
Key lock type	Standard (FEO-K1)		
Etching pictogram on FE swing door	<input type="checkbox"/> Standard <input type="checkbox"/> Los Angeles		
Concealed type COP	<input type="checkbox"/> No <input type="checkbox"/> Yes (for DOAS only)		
Button (for non-hidden type COP)	<input type="checkbox"/> Vandal	<input type="checkbox"/> Full illumination <input type="checkbox"/> Yellow-orange <input type="checkbox"/> White	<input type="checkbox"/> Halo <input type="checkbox"/> Yellow-orange <input type="checkbox"/> White
		 	 
Braille	Square		
Two way video	<input type="checkbox"/> No <input type="checkbox"/> Yes		
Card reader	<input type="checkbox"/> No <input type="checkbox"/> Yes (by others)		
Service cabinet type	Standard		

*14: For 1D2G and 2D2G only.

Entrance finish and design

Sub-frame	Not applicable
Transom panel	Not applicable
Frame (jamb)	Bolted
Landing sill	Aluminum
Door key type	<input type="checkbox"/> No <input type="checkbox"/> T-key <input type="checkbox"/> Tri-Lok

Floors	Frame (jamb)	Entrance door
Main floor	<input type="checkbox"/> Prime coating	<input type="checkbox"/> Prime coating
	<input type="checkbox"/> SUS #4	<input type="checkbox"/> SUS #4
Other floors	<input type="checkbox"/> Prime coating	<input type="checkbox"/> Prime coating
	<input type="checkbox"/> SUS #4	<input type="checkbox"/> SUS #4

Hall fixture with buttons

	Hall button					Hall operating panel Surface mounted type with 10.1-inch screen and card reader
	SUS round	Full illumination		Halo		
		Yellow-orange	White	Yellow-orange	White	
Button detail						—
Product image						
Main floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Hall lantern

	No lantern	Hall lantern for non-DOAS elevator				Hall lantern for DOAS elevator		
		Triangle		Circle		Flag type	Square with car ID	
		Yellow-orange	White	Yellow-orange	White	Yellow-orange	Yellow-orange	White
Product image	(None)							
Main floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Typical floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Other equipment

Braille plate ^{*15}	Applied mount
Braille plate position	Both jambs
Designation color	White
Background color	Black

*15: Part number: EJ4. Installed on all floors. The main floor is marked with a star "★" to the left of the floor name.

Fireman's hat ^{*16}	<input type="checkbox"/> No <input type="checkbox"/> Adhesive mount
Fireman's hat position	Both jambs ^{*17}

*16: Part number: SUB16WB, *17: Mounting center height : 6'-10" from floor

Star of Life ^{*18}	<input type="checkbox"/> No <input type="checkbox"/> Applied mount
Star of Life position	Both jambs ^{*19}
Background color	White

*18: Part number: CST1, *19: Mounting center height : 6'-6" from floor

Elevator ID ^{*20}	<input type="checkbox"/> No <input type="checkbox"/> Applied mount
Elevator ID position	Both jambs ^{*21}
Designation color	White
Background color	Black

*20: Part number: EMBOSSED EJID WITH BRAILLE. Specified for each floor. Elevator ID must be installed as per code or when DOAS is applied.
*21: Mounting center height : 4'-6" from floor

Access switch	Applied mount ^{*22}
Access switch position	<input type="checkbox"/> Left jamb (CO or SS-L) <input type="checkbox"/> Right jamb (CO or SS-R) ^{*23}
Access switch finish	<input type="checkbox"/> Prime coating <input type="checkbox"/> SUS #4

*22: Mounted on the terminal floor. *23: Mounting center height : 6'-0" from floor

Electrical features

		1C 2BC, 2C to 4C ΣAI-22	2C to 8C ΣAI-2200C
1. Control features			
Landing Open	LO	<input type="checkbox"/>	<input type="checkbox"/>
PWM Regenerative Converter	PCNV Capacity: 4000lb and Speed: 500ft/min	Standard	Standard
	Other than above	<input type="checkbox"/>	<input type="checkbox"/>
2. Emergency features			
Mitsubishi Emergency Landing Device	MELD	Standard	Standard
Earthquake Emergency Return Operation * Please inform whether Earthquake slow-speed automatic operation is required when ASME A17.1 2016. *24: For areas with seismic requirements	EER-DS	Standard*24	Standard*24
Operation by Emergency Power Source - 1C-2BC: Sole Automatic (OEPS-SA) - Other than above: Automatic for USA (OEPS-AU)	OEPS-SA OEPS-AU	<input type="checkbox"/>	<input type="checkbox"/>
Supervisory Panel (Fire panel)	WP	<input type="checkbox"/>	<input type="checkbox"/>
Mitsubishi Elevators and Escalators Monitoring and Control System	MelEye	<input type="checkbox"/>	<input type="checkbox"/>
3. Operation features			
EXIT Switch for Hoistway	EXIT SW	<input type="checkbox"/>	<input type="checkbox"/>
False Call Canceling – Car Button Type	FCC-P	<input type="checkbox"/>	<input type="checkbox"/>
Non-Service to Specific Floor-Switch Type	NS	<input type="checkbox"/>	<input type="checkbox"/>
Non Service Temporary Release For Car Call (Card Reader Type) * Card reader supplied by others	NSCR-C	<input type="checkbox"/>	<input type="checkbox"/>
Remote-Control Car Stop	RCS	<input type="checkbox"/>	<input type="checkbox"/>
Return Operation Type1	RET1	<input type="checkbox"/>	<input type="checkbox"/>
4. Passenger features			
Voice Guidance System	AAN-G	Standard	Standard
Elevator Operation Integrated with Security Control System Advanced * Security gate integration is not applicable.	EL-SCA	<input type="checkbox"/>	<input type="checkbox"/>
Car Arrival Chime	AECC(Car) AECH(Hall)	<input type="checkbox"/> AECC(Standard) <input type="checkbox"/> AECH	AECH(Standard)
Car Lantern	CL	<input type="checkbox"/>	
Destination Oriented Prediction System * Not applicable to 7 and 8 cars.	DOAS		<input type="checkbox"/>
Main Floor Parking	MFP	<input type="checkbox"/>	<input type="checkbox"/>
Camera in Car *25: The applicability depends on other electrical features.	ITV	*25	*25

Note:

Please note that the following features do not apply to this series (Diamond Trac STREAMLINE).

Building Management System – GateWay (BMS-GW), Medical Emergency (ME), Non-Service of Specified Floor-Car Button Type (NS-CB), Secret Call Service-Car Button Type (SCS-B), Extended Door Open Button with lamp (DKO-TB), Safety Door Edge (SDE), Second Car Prediction (TCP), Immediate Prediction Function with Indicator (AII), Immediate Prediction Function (AII), Energy-Saving Operation-Number of car (ESO-N), Intense Up Peak (IUP), Up Peak Service (UPS), Down Peak Service (DPS), Congested-floor Service (CFS), Lunch Time Service (LTS), Special Floor Priority Service (SFPS), Forced Floor Stop (FFS), Bank Separation Operation (BSO), Main Floor Changeover Operation (TFS), Closet Car Priority Service (CNPS), Light-load Car Priority Service (UCPS), Special Car Priority Service (SCPS), Swing Service (SWSV), Elevator Operation Integrated with Security Control System (EL-SC), Elevator Control System for Smartphone (ELCS-SP)

Following items to be provided by others.

- Compensation for additional inspections or testing of other systems. (ONE final inspection is included per elevator).
- Conduit remote from hoistway.
- Hoistway screening, working platform, pit ladders.
- Finished flooring within maximum noted floor recess.
- Temporary use fees, protection, clean down and refurbishment of equipment after installation.
- Preparation for site to receive ONE complete delivery, including necessary staging and laydown space adjacent to the work area at the bottom landing of the hoistway.
- Compensation for any required overtime. (Only straight time work is included).
- Security fence to protect delivered equipment.
- Operator time required for any Work-by-Others within hoistway, cab, & control room.
- Site storage container(s) if sufficient laydown area cannot be provided.
- Safe & rollable access to hoistway from delivery & staging area.
- Fire stopping of all penetrations.
- Coordination of other trades to maintain necessary sequence of installation.
- Required guiderail & entrance sills supports and attachments per Mitsubishi standard details.
- Completion of all pre-mobilization requirements at least 2 weeks prior to scheduled mobilization date.

Notes:

Please refer to job specific clarifications and exclusions noted in MEUS bid proposal.

If this project includes any DSA, OSHPD, HCAI, APTA or other special agency criteria or inspection requirements, this product is not applicable.

Project Name

Elevator Number

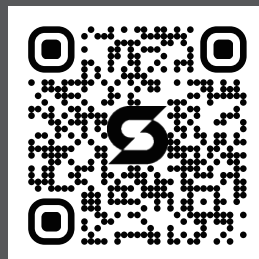
Corporate Information

Mitsubishi Electric US, Inc. Elevator/Escalator Division

5900-A Katella Avenue, Cypress, California 90630, U.S.A.

Tel: 714-220-4700 Email: EEDSALES@meus.com

For details of this model
<https://mitsubishicabdesigner.com/>



For company details
<https://www.mitsubishielelevator.com/>





Quality in Motion®

Our elevators, escalators and building management systems are always evolving, helping achieve our goal of being the No.1 brand in quality.

In order to satisfy customers in all aspects of comfort, efficiency and safety while realizing a sustainable society, quality must be of the highest level in all products and business activities, while priority is place on consideration for the environment.

As the times change, we promise to utilize the collective strengths of its advanced and environmental technologies to offer its customers safe and reliable products while contributing to society.

* Quality in Motion is a trademark of Mitsubishi Electric Corporation.

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

Our 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 Building Systems 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.

Certification


This product is manufactured by Mitsubishi Electric de Mexico, S.A. de C.V.
The plant has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management.



MITSUBISHI ELECTRIC BUILDING SOLUTIONS CORPORATION

HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

<https://www.MEBS.com/>

 **Safety Tips:** Be sure to read the instruction manual fully before using this product.

New publication effective . Nov. 2024.
Specifications are subject to change without notice.