MITSUBISHI ELECTRIC

Changes for the Better

for a greener tomorrow

eco Changes

Quality in Motion

PASSENGER ELEVATORS

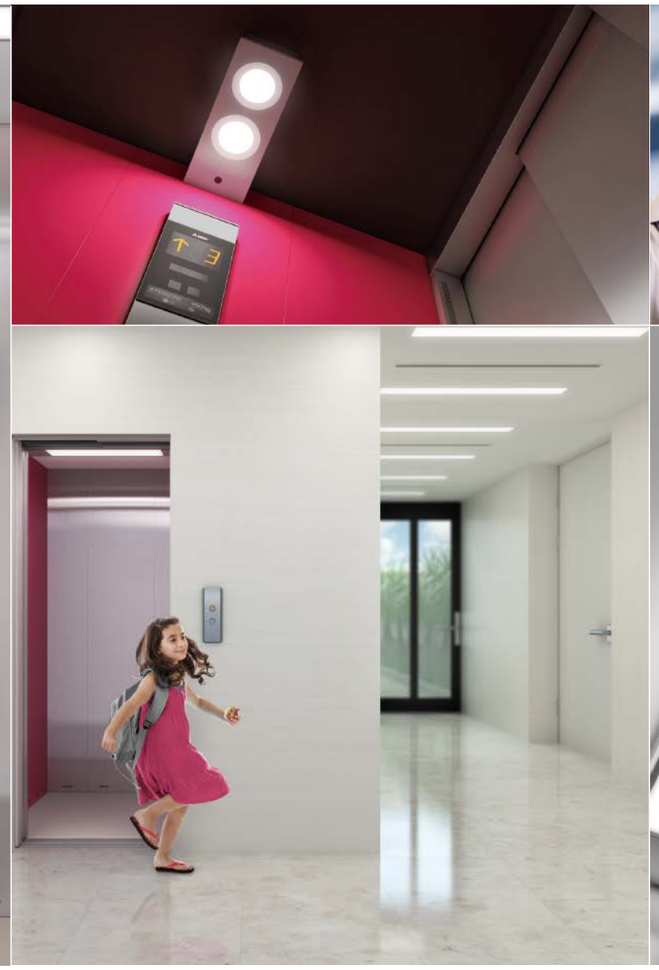
NEXIEZ-S

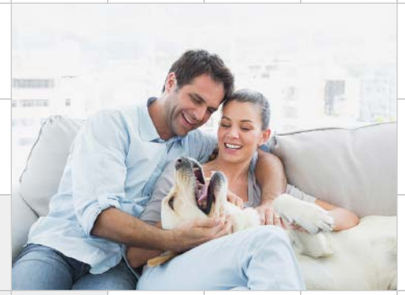
Modern & Fun

The name says it all. An affordable **s**tandard elevator that is **s**tylish, **s**afe and incorporates advanced technologies that ensure **s**mart operation that saves energy every day.
No wonder our new compact elevator joins the NEXIEZ-Series.

The elevator's **s**imple design complements virtually all architectural styles, and the selection of colors available is equally impressive. Additionally, enjoy excellent cost **s**avings, **s**peedy delivery, and the unwavering **s**afety inherent of Mitsubishi Electric elevators.

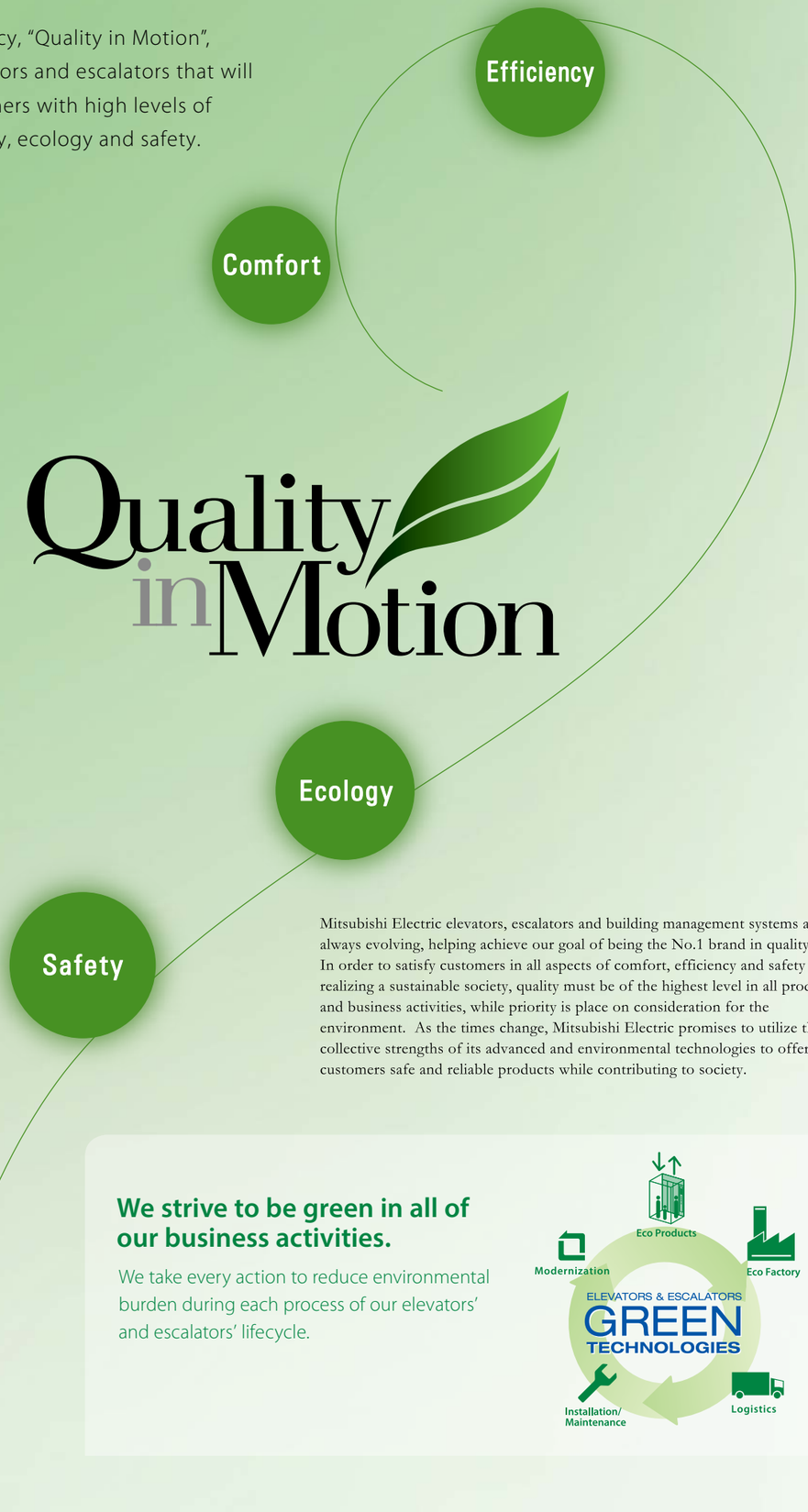
Enjoy a safe, stylish and smart lifestyle with NEXIEZ-S.





Principle

Based on our policy, "Quality in Motion", we provide elevators and escalators that will satisfy our customers with high levels of comfort, efficiency, ecology and safety.



Mitsubishi Electric 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, Mitsubishi Electric promises to utilize the collective strengths of its advanced and environmental technologies to offer its customers safe and reliable products while contributing to society.

We strive to be green in all of our business activities.

We take every action to reduce environmental burden during each process of our elevators' and escalators' lifecycle.

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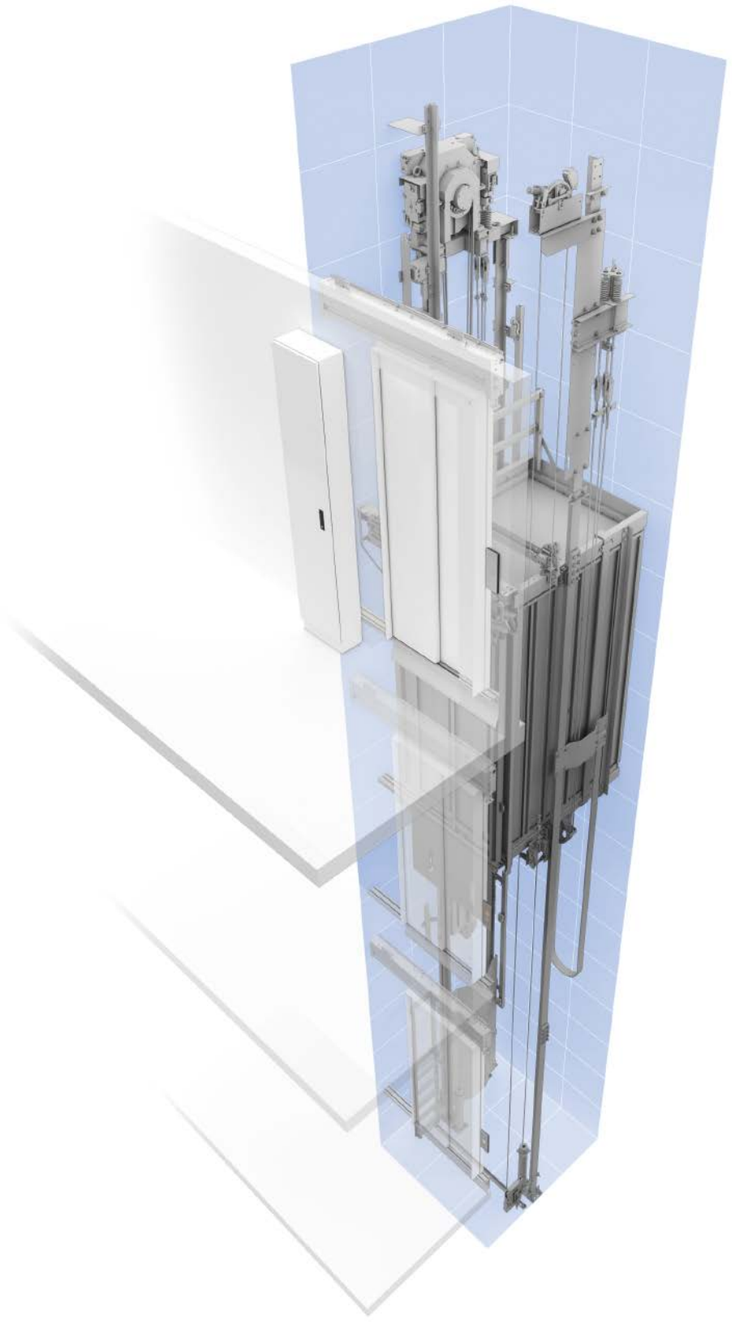
Space-saving

Machine-room-less Elevators

As all equipment is installed within the hoistway, there are fewer restrictions on building design except for the actual space required for the hoistway. Architects and interior designers have more design freedom.

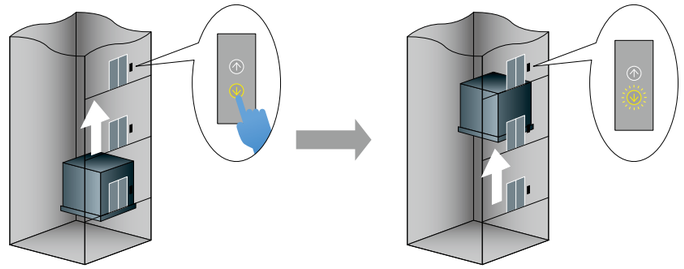


Safety and Comfort

Features to help everyone travel safely and comfortably

Click-Type Hall Call Button with Hall Lantern Function (HBEHL)

When the car is about to arrive at the floor, the hall button flashes to inform passengers of car arrival.



Hall call registration　　Before car arrival

Safety Ray (SR)

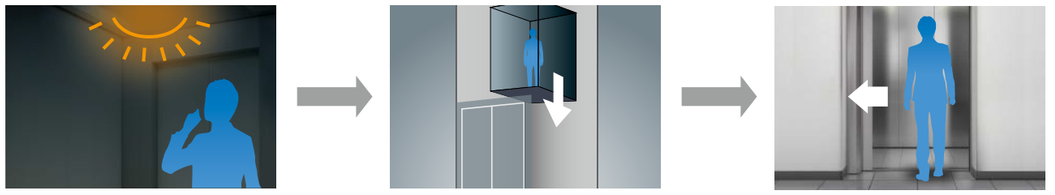
One infrared-light beam covers the full width of the doors as they close to detect passengers or objects.

Multi-beam Door Sensor (Optional)

Multiple infrared-light beams cover some 1800mm in height of the doors to detect passengers or objects as the doors close.

Mitsubishi Emergency Landing Device (MELD) (Optional)

Upon power failure, the car automatically moves to the nearest floor using a rechargeable battery to facilitate the safe evacuation of passengers.



1 Detects power supply failure
2 Turns on emergency light
3 Confirms safety
4 Moves to the nearest floor
5 Doors open

Car Designs

N 700 Standard

Simple yet stylish car designs attractively compliment any interior, providing easy coordination and freedom of application to most any building design.

Standard Car Design

Wall (side)	Stainless-steel, hairline-finish
Wall (rear)	Stainless-steel, hairline-finish
Front return panel	Stainless-steel, hairline-finish
Flooring	Durable vinyl tiles (PR801*)

L 700

White downlight design utilized to create new elevator car interior look with elegant lighting atmosphere and sophisticated appearance.

LED

Car Design Example

Wall (side)	Painted steel sheet (Y014)
Wall (rear)	Stainless-steel, hairline-finish
Front return panel	Stainless-steel, hairline-finish
Flooring	Durable vinyl tiles (PR812)

Note:
* Flooring PR812 is also available as a standard color.

Car Designs

Color Variations

The feeling of spaciousness create by the SUS and painted wall combinations is complemented by new lighting fixtures that produce an elegant, comfortable car atmosphere.

Stainless-steel, hairline-finish

Combination wall

Side: Painted steel sheet
Rear: Stainless-steel, hairline finish

Y014

Y116

Y033

Painted steel sheet

Y014

Y116

Y033

Car Operating Panels

Segment LED indicators *

Standard

CBV1-M760
(without intercom
and AAN features)

Side view

CBV1-M760
(with intercom
and/or AAN features)

CBV1-M762
(for EN81-70)

Handrail and Mirror

Handrail

YH-59S
(Stainless-steel, hairline-finish)

Mirror

YZ-52AN

Note:
* Segment LED indicators cannot display some letters of alphabet. However, to display "Z" in particular, an equivalent car operating panel with a dot LED indicator can be arranged. Please consult our local agents for details.

Hall Designs

Standard Hall Design

Jamb (E-102) ——— Stainless-steel, hairline-finish
Doors ——— Stainless-steel, hairline-finish
Hall button ——— HBV1-A910N

Hall Design Example

Jamb (E-102) ——— Painted steel sheet (Y004)
Doors ——— Painted steel sheet (Y004)
Hall position indicator and button ——— PIV1-A910N

Hall Buttons

Standard
HBV1-A910N
Boxless

HBV1- A910B
(For EN81-70)

Hall Position Indicators and Buttons *1

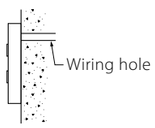
Segment LED indicators *2

PIV1-A910N
Boxless

PIV1-A910B
(For EN81-70)

Cross-section of boxless fixtures Boxless

These hall signal fixtures can be easily mounted on the wall surface without having to cut into the wall to embed the back box.



Notes:
*1: Hall position indicators and buttons are for lobby floors only.
*2: Segment LED indicators cannot display some letters of alphabet. However, to display "Z" in particular, an equivalent hall position indicators and buttons with a dot LED indicator can be arranged. Please consult our local agents for details.

EN81-70 Compliance

EN81-70 compliance is available for P6 (code number) cages.

Car

Mirror

YZ-52AN

Handrail

YH-59S
(Stainless-steel, hairline-finish)

Car operating panel

CBV1-M762

Hall

Hall button *

HBV1-A910B

Hall position indicator and button *

PIV1-A910B

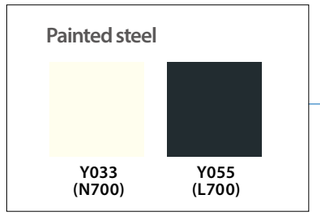
Note:
* A slit is provided to sound audible signals for EN81-70-compliant indicators.

Materials and Colors

Car

Ceiling

Painted steel

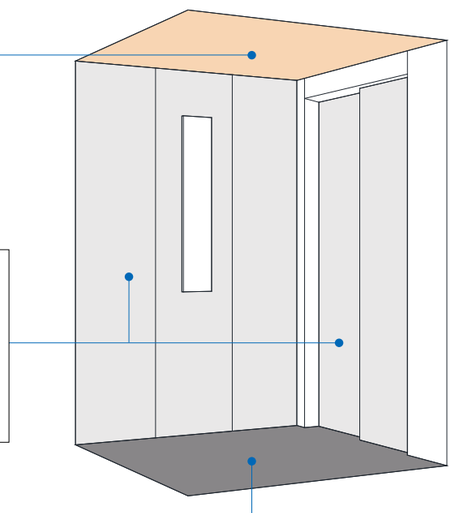


Y033 (N700)　Y055 (L700)

Walls and Doors

Stainless-steel　Painted steel

Hairline-finish　Y033　Y116　Y014



Flooring

Durable vinyl tiles

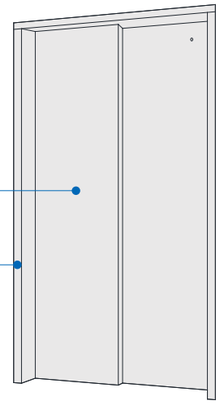
PR801　PR812

Hall

Jamb and Doors

Stainless-steel　Painted steel

Hairline-finish　Y033　Y004



Features

■ EMERGENCY OPERATIONS AND FEATURES

Feature	Abbreviation	Mitsubishi Electric standard	EN81-1
Earthquake Emergency Return	EER-S	Optional	Optional
Fire Emergency Return	FER	Optional	Optional
Firefighters' Emergency Operation	FE	Optional	-
Mitsubishi Emergency Landing Device	MELD	Optional	Optional
Operation by Emergency Power Source --- Automatic	OEPS-SA	Optional	Optional

■ DOOR OPERATION FEATURES

Feature	Abbreviation	Mitsubishi Electric standard	EN81-1
Automatic Door Speed Control	DSAC	Standard	Standard
Door Load Detector	DLD	Standard	Standard
Door Nudging Feature --- With Buzzer	NDG	Standard	Standard
Door Sensor Self-diagnosis	DODA	Standard	Standard
Multi-beam Door Sensor (without Safety Door Edge)	-	Optional	Standard
Reopen with Hall Button	ROHB	Standard	Standard
Repeated Door-close	RDC	Standard	Standard
Safety Ray	SR	Standard	-

■ OPERATIONAL AND SERVICE FEATURES

Feature	Abbreviation	Mitsubishi Electric standard	EN81-1
Car Call Canceling	CCC	Standard	Standard
Car Fan Shut Off --- Automatic	CFO-A	Standard	Standard
Car Light Shut Off --- Automatic	CLO-A	Standard	Standard
False Call Canceling --- Car Button Type	FCC-P	Standard	Standard
Independent Service	IND	Standard	Standard
Next Landing	NXL	Standard	Standard
Overload Holding Stop	OLH	Standard	Standard
Safe Landing	SFL	Standard	Standard

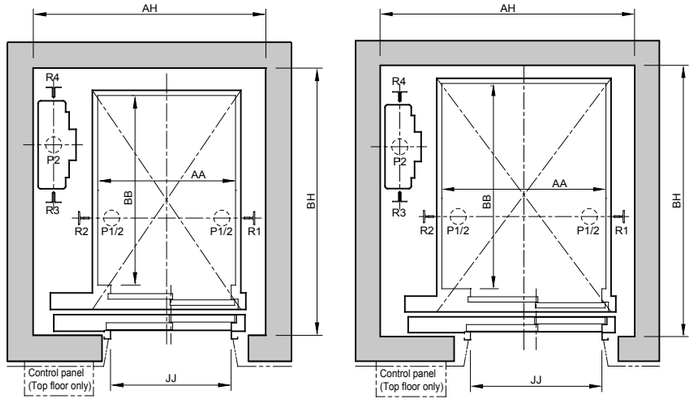
■ SIGNAL AND DISPLAY FEATURES

Feature	Abbreviation	Mitsubishi Electric standard	EN81-1
Basic Announcement	AAN-B	Optional	Optional *
Click-type Hall Call Button with Hall Lantern Function	HBEHL	Standard	Standard
Emergency Bell	EMB	Standard	Optional
Emergency Car Lighting	ECL	Optional	Standard
Inter-communication System	ITP	Optional	Standard
Voice Guidance System	AAN-G	Optional	Optional *

Note:
* When the elevator complies with EN81-70, AAN-G feature is required. (AAN-B is not applicable)

Basic Specifications

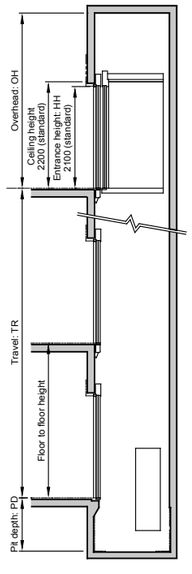
Hoistway Plan



Shown for code number P4

Shown for code number P6

Hoistway Section



Horizontal Dimensions

Code number	Number of persons	Rated speed (m/sec)	Rated capacity (kg)	Door type	Entrance width (mm) JJ	Car internal dimensions (mm) AAxBB	Minimum hoistway dimensions (mm) AHxBH
P4	4	1.0	320	2S	700	800 x 1100	1350 x 1550
P6	6		450		800	1000 x 1250	1550 x 1650

[Terms of the table]
- The contents of this table are applied to standard specifications only. Please consult our local agents for other specifications.
- Rated capacity is calculated at 75kg per person, as required by EN81-1.
- 2S: 2-panel side sliding doors.
- Minimum hoistway dimensions (AH and BH) shown in the table are after waterproofing of the pit and do not include plumb tolerance.
- This table shows specifications without the fireproof landing door and counterweight safety.

Vertical Dimensions

Travel (m) TR	Maximum number of floors	Minimum overhead (mm) OH	Pit depth (mm) PD	Minimum floor to floor height (mm)
3 - 30	10	3500	1100 - 1500	2600*1

Reaction Loads

Number of persons	Rated capacity (kg)	Rated speed (m/sec)	Car internal dimensions (mm) AAxBB	Reaction loads (kN)					
				Rail				Buffer	
				R1	R2	R3	R4	P1	P2
4	320	1.0	800×1100	14	14	7	11	38	32
6	450		1000×1250	16	16	8	12	47	38

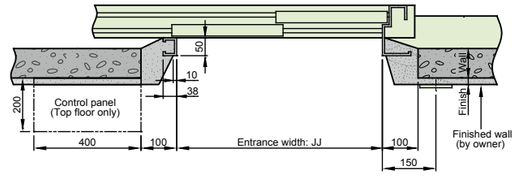
Applicable Standards

NEXIEZ-S complies with Mitsubishi Electric standard*2 and/or EN81-1.
For details of compliance, please consult our local agents.

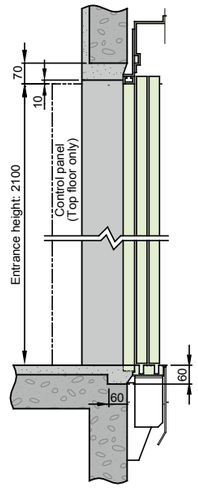
Notes:
*1: The minimum floor to floor distance from the top to the next service floor is 2800mm.
*2: Based on, but not fully complying with the Building Standard Law of Japan, 2009.

Entrance Layout

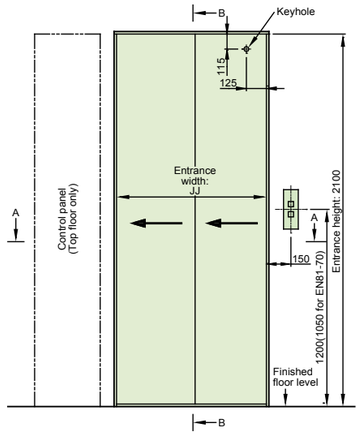
Door plan (section B-B)



Door elevation (section A-A)



Hoistway entrance



Power Feeder Data

Capacity (kg)	Rated speed (m/sec)	Motor output (kW)	Current at 400V			Capacity of power supply (kVA)	Heat emissions (W)
			FLU (A)	FLAcc (A)	Breaker in control panel (A)		
320	1.0	2	6	11	10	3	580
450		2.8	8	14	10	3	740

FLU: current during upward operation with full load at a power supply voltage of 400V.
FLAcc: current while accelerating with full load at a power supply voltage of 400V.

Note: If power supply voltage (E) is a value other than 400V, FLU current and FLAcc current are obtained via the following formula.
(FLU/FLAcc current (A) at E (V)) = (Current at 400V) × (400/E (V))

Feeder Size Calculation

- The feeder must be able to withstand continuous flow of the following current at an ambient temperature of 40°C.

  FLU (A) ≦ 50A ------ 1.25 × FLU (A)

  (FLU (A): current during upward operation with full load at a power supply voltage of E (V))

  The wire length for the feeder size must be calculated using the following formula.
  Wire length (m) ≦ Coefficient* × E (V)/FLAcc (A)
  (E: power supply voltage (V))
  (FLAcc (A): current while accelerating with full load at a power supply voltage of E (V))
  * Refer to the table below for coefficients.

- The current size of the grounding wire is determined according to the current rating of the NF breaker on the power source side.
- The current rating of the NF breaker on the power source side should be one level larger than that on the control panel side.

Feeder size (mm²)	3.5	5.5
Coefficient	6.3	9.7

Important Information on Elevator Planning

Work Not Included in Elevator Contract

The following items are excluded from Mitsubishi Electric's elevator installation work, and are therefore the responsibility of the building owner or general contractor:

- Architectural finishing of the walls and floors in the vicinity of the entrance hall after installation has been completed.
- Construction of hoistway designated by Mitsubishi Electric Corporation including illumination, ventilation and waterproofing.
- Cutting the necessary openings and joists.
- All other work related to building construction.
- The power-receiving panel and the electrical wiring for illumination, plus the electrical wiring from electrical room to the power-receiving panel.
- The laying of conduits and wiring between the elevator pit and the terminating point for the devices installed outside the hoistway, such as the emergency bell, intercom, monitoring and security devices.
- The power consumed in installation work and test operations.
- All the necessary building materials for grouting in of brackets, bolts, etc.
- The test provision and subsequent alteration as required, and eventual removal of the scaffolding as required by the elevator contractor, and any other protection of the work as may be required during the process.
- The provision of a suitable, locked space for the storage of elevator equipment and tools during elevator installation.
- The security system, such as a card reader, connected to Mitsubishi Electric's elevator controller, when supplied by the building owner or general contractor.

* Work responsibilities in installation and construction shall be determined according to local laws. Please consult our local agents for details.

Elevator Site Requirements

- The temperature of the elevator hoistway shall be below 40°C.
- The following conditions are required for maintaining elevator performance.
  a. The relative humidity shall be below 90% on a monthly average and below 95% on a daily average.
  b. Prevention against icing and condensation occurring due to a rapid drop in the temperature shall be provided in the elevator hoistway.
  c. The elevator hoistway shall be finished with mortar or other materials so as to prevent concrete dust.
- Voltage fluctuation shall be within a range of +5% to −10%.

Ordering Information

Please include the following information when ordering or requesting estimates:

- The desired number of units, speed and loading capacity
- The number of stops or number of floors to be served
- The total elevator travel and each floor-to-floor height
- Operation system
- Selected design and size of car
- Entrance design
- Signal equipment
- A sketch of the part of the building where the elevators are to be installed
- The voltage, number of phases and frequency of the power source for the motor 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 first, 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 and 12 overseas manufacturing factories are utilized in a global 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 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.

ISO 9001 BUREAU VERITAS Certification — UKAS MANAGEMENT SYSTEMS 008

ISO 14001 BUREAU VERITAS Certification — UKAS MANAGEMENT SYSTEMS 008

eco Changes for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

MITSUBISHI ELECTRIC CORPORATION
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Visit our website at:
http://www.MitsubishiElectric.com/elevator/

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

New publication effective Mar. 2016.
Specifications are subject to change without notice.

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