Network of Regional Offices and Area Offices

ISO9001 certification

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

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

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

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Superseding publication of Aug 2020.
Specifications are subject to change without notice.

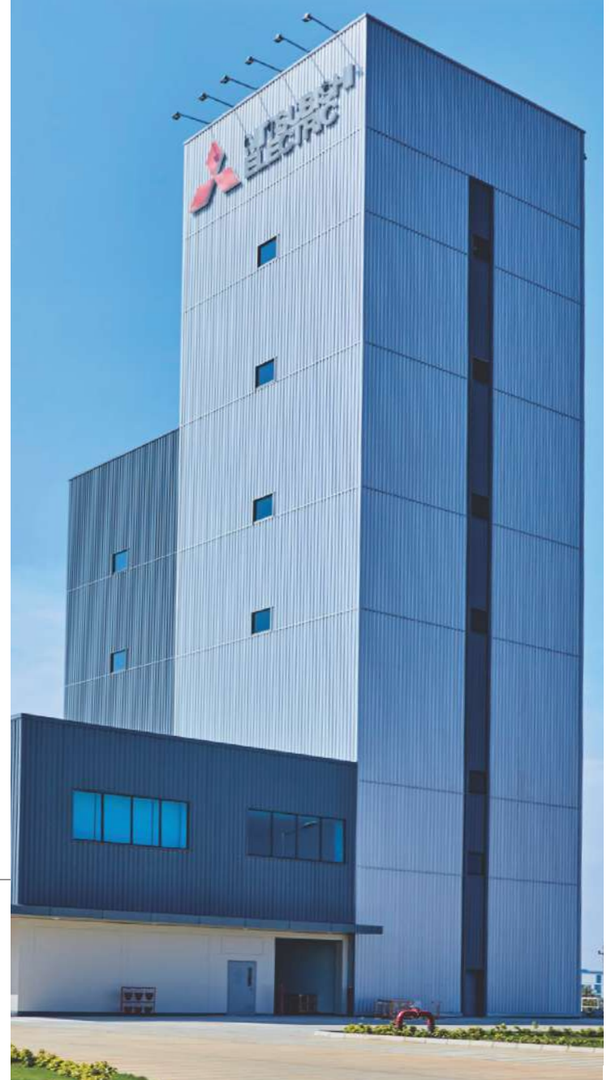
MITSUBISHI ELECTRIC
Changes for the Better

for a greener tomorrow

Quality in Motion

PASSENGER ELEVATORS

NEXIEZ-LITE



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.

Efficiency

Comfort

Quality in Motion

Ecology

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.

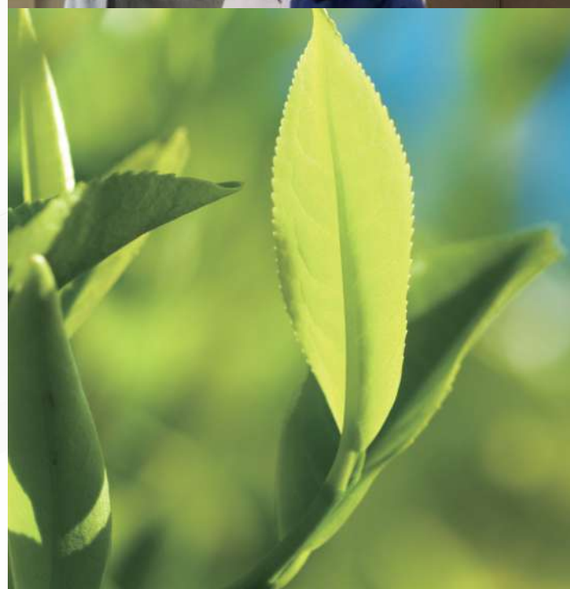
We strive to be green in all of our business activities.

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

Welcome to a New Era in Vertical Transportation Introducing the NEXIEZ...

technologically advanced elevators that consume less power, have minimal impact on the global environment and harmoniously serve people and buildings with smooth, seamless operation. The refined design produces a high-quality atmosphere that reassures passengers of the superior safety and comfort synonymous with Mitsubishi Electric products. Regardless of the use or purpose, the NEXIEZ is a best-match solution for virtually any elevator installation.

Table of Content

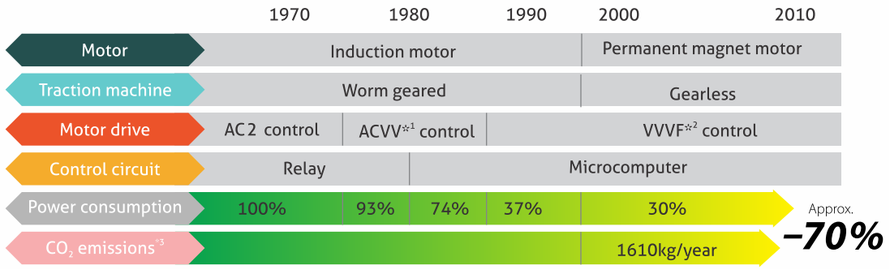


Ecology

Using Energy Wisely

Our long-term commitment to developing energy-efficient elevators has created systems and functions that make intelligent use of power.

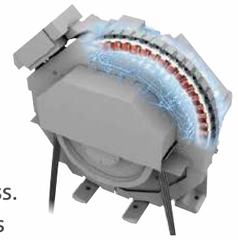
Milestones of Energy-saving Technologies in Elevator Development



Notes:
*1: Alternative current, variable voltage
*2: Variable voltage, variable frequency
*3: • CO_2 emissions in this table are from elevator operation and do not include emissions from manufacturing, transportation and other processes.
• Power consumption values are based on a coefficient of 0.6kg/kWh.
• The CO_2 emissions values in this table vary according to conditions.

Traction Machine with PM Motor (PM motor: Permanent magnet motor)

The joint-lapped core built into the PM motor of the traction machine features flexible joints. The iron core acts like a hinge, which allows coils to be wound around the core more densely, resulting in improved motor efficiency and compactness. A high-density magnetic field is produced, enabling lower use of energy and resources and reduced CO2 emissions.

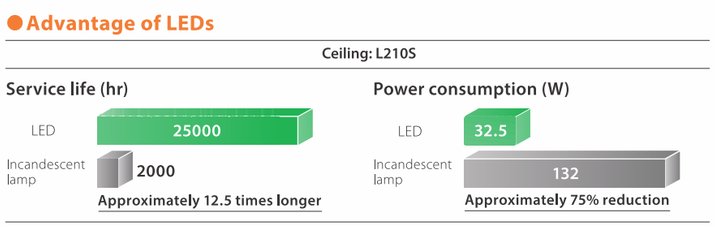


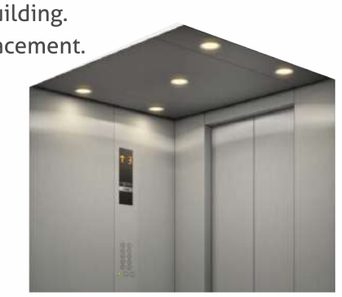
Permanent Magnet (PM) Door Motor

The direct-drive PM door motor and the VVVF inverter realize efficient door opening and closing.

LED Lighting

Used for ceiling lights, LEDs boost the overall energy performance of the building. Furthermore, a long service life eliminates the need for frequent lamp replacement.





Ceiling: L210S LED downlights

Car Light/Fan Shut Off – Automatic (CLO-A/CFO-A)

The car lighting/ventilation fan is automatically turned off if there are no calls for a specified period.

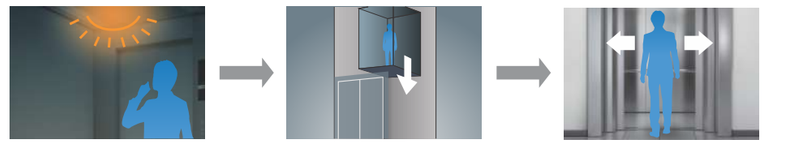
Safety and Comfort

Providing a Safe Ride

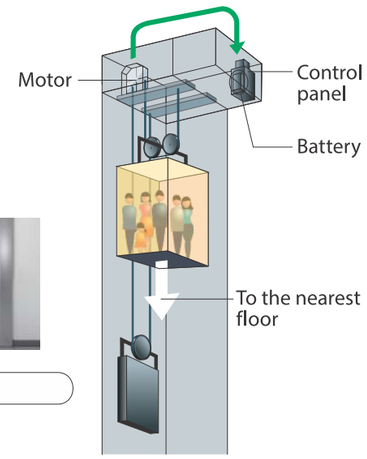
Whether the user is elderly or a person with special needs, our elevators deliver every passenger to the destination floor safely and comfortably .

Mitsubishi Emergency Landing Device (MELD)

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 The doors open



Multi-beam Door Sensor

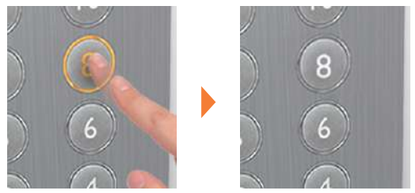
Multiple infrared-light beams cover a door height of approximately 1800mm to detect passengers or objects as the doors close.

User-friendly Features

Great care is taken in the design and manufacture of each and every elevator part to ensure a comfortable, user-friendly ride.

False Call Canceling- Car Button type (FCC-P)

If the wrong car button is pressed, it can be canceled by quickly pressing the same button again twice.



Quickly pressing the same button again twice

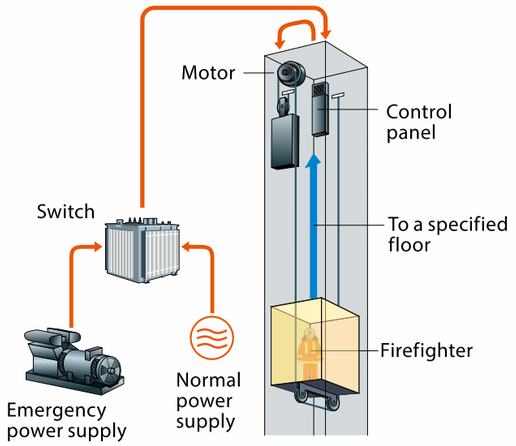
The wrong car call can be canceled

Clear Font and Tactile Buttons

The font for buttons is highly visible. On tactile buttons in particular, the font makes letters/numbers easy for visually-impaired passengers to distinguish.

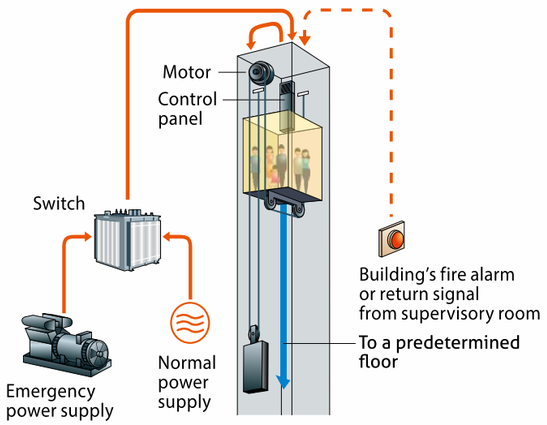
Safety

FIRE



Firefighters' Emergency Operation: FE (Optional)

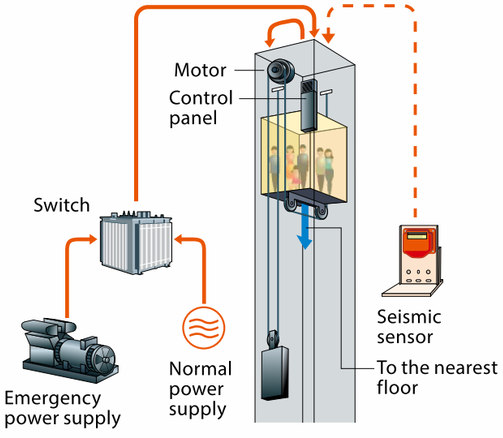
When the fire operation switch is activated, the car immediately returns to a predetermined floor. The car then responds only to car calls which facilitate firefighting and rescue operations.



Fire Emergency Return: FER (Optional)

When a key switch or a building's fire alarm is activated, all cars immediately return to a predetermined floor and open the doors to facilitate the safe evacuation of passengers.

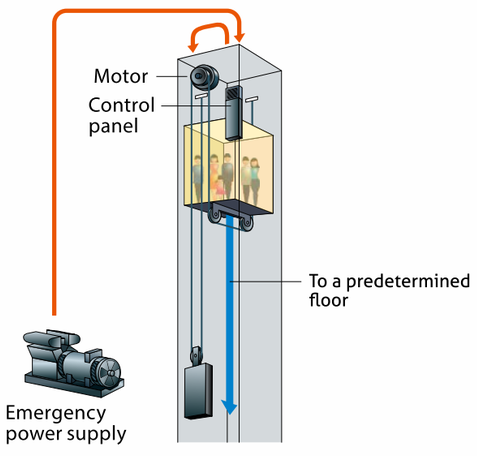
EARTHQUAKE



Earthquake Emergency Return: EER-S (Optional)

When a secondary wave seismic sensor is activated, all cars stop at the nearest floor and park there with the doors open to facilitate the safe evacuation of passengers.

POWER FAILURE



Operation by Emergency Power Source: Automatic OEPS (Optional)

Upon power failure, predetermined car(s) use a building's emergency power supply to move to a predetermined floor and open the doors for passengers to evacuate. After all cars have arrived, predetermined car(s) resume normal operation.

Factory & Manufacturing Process

Mitsubishi Electric brings its globally renowned elevator technology to a manufacturing facility in Vemagal Industrial Area near Bengaluru. This state-of-the-art manufacturing facility produces world class elevators in India and ensures our commitment to offer the highest safety standards, total reliability and excellent quality. NEXIEZ-LITE is Mitsubishi Electric's latest contribution to the "Make in India" initiative.

MANUFACTURING PROCESS

All manufacturing processes are approved by Mitsubishi elevators' mother factory, Inazawa Works in Japan, which ensures the highest quality.

TESTING TOWER & FIELD OPERATION TRAINING CENTER

L210S LED

Ceiling : Stainless steel hairline-finish
Lighting: Downlights (LEDs)

Car Design Example

Walls ——— Stainless steel, hairline-finish
Transom panel ——— Stainless steel, hairline-finish
Doors ——— Stainless steel, hairline-finish
Front return panels — Stainless steel, hairline-finish
Kickplate ——— Stainless steel, hairline-finish
Flooring ——— Supplied by customer
Car operating panel — CBV1-N710
* Emergency exit will be provided as option

Car Finishes

Materials / Finishes	Walls	Transom panel	Doors	Front return panels	Kickplate	Sill
Painted steel sheet	S	S	S			
Stainless steel, hairline-finish	O	O	O	S	S	
Stainless-steel, hairline-finish with etched pattern (SUS-HE)	O	O	O	O		
Stainless-steel, Gold Finish	O	O	O	O		
Extruded hard aluminum						S

Note that flooring is supplied by customer.

Note :
*1 AS or BP feature is applicable as an option only when EVRC-C is applied.
*2 For other finishes, please consult us.

N600S

Ceiling : Stainless steel hairline-finish with rectangular slot pattern for ventilator
Lighting: Lighting on both sides

Car Design Example

Walls ——— Painted steel sheet [Neutral beige]
Transom panel ——— Painted steel sheet [Neutral beige]
Doors ——— Painted steel sheet [Neutral beige]
Front return panels — Stainless steel, hairline-finish
Kickplate ——— Stainless steel, hairline-finish
Flooring ——— Supplied by customer
Car operating panel — CBV1-C710

N600

Ceiling : Painted steel sheet [Neutral beige]

S00S Standard

Ceiling : Stainless steel hairline-finish with a milky white resin lighting cover
Lighting: Central lighting

Car Design Example

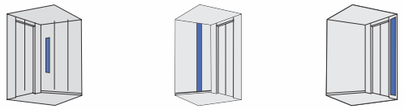
Walls ——— Painted steel sheet [Beige]
Transom panel ——— Painted steel sheet [Beige]
Doors ——— Painted steel sheet [Beige]
Front return panels — Stainless steel, hairline-finish
Kickplate ——— Stainless steel, hairline-finish
Flooring ——— Supplied by customer
Car operating panel — CBV1-S760

S00

Ceiling : Painted steel sheet (White)

Car Designs

Car Operating Panels



For side wall　　For FRP

CBV1-S760
(CBV1-S766)*3 & *5

CBV1-N710 *3
(CBV1-N716)*3 & *5

CBV1-C710 *4
(CBV1-C716)*4 & *5

Handrail

YH-59S(SUS-HL)

Infrared Remote Control (EVRC-C) (optional)

A handy accessory, especially for exclusive operation and changing lighting settings, etc.

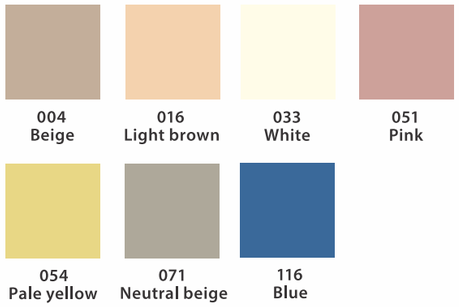
Available features

- Lighting can be turned on/off.
- Fan can be turned on/off.
- Attendant Service (AS) and Bypass (BP) setting (optional)*1

Color Application

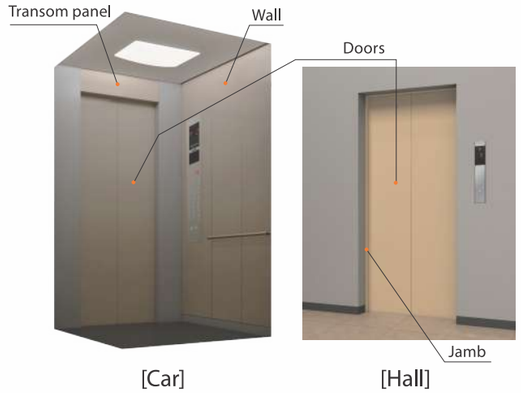
[Car] Walls, Transom Panel and Doors
[Hall] Jamb and Doors

Painted finish*2



004 Beige　016 Light brown　033 White　051 Pink

054 Pale yellow　071 Neutral beige　116 Blue



[Car]　[Hall]

Note :
*1 AS or BP feature is applicable as an option only when EVRC-C is applied.
*2 For other finishes, please consult us.
*3 CBV1-S766, CBV1-N710 & CBV1-N716 will be applicable only P13 & P15.
*4 CBV1-C710 & CBV-C716 will be applicable only P13 & P15 (Except Deeper Cabin).
*5 The types in parentheses () show an auxiliary car operating panels (optional). The design is slightly different from the above images.
Please consult us for further information such as installation location.

Hall Design

E-102 Narrow Jamb

Jamb ——— Painted steel sheet [Light brown]
Doors ——— Painted steel sheet [Light brown]
Hall position indicator
and button — PIV1-A1010NA

Jamb ——— Stainless steel, hairline-finish
Doors ——— Stainless steel, hairline-finish
Hall position indicator
and button — PIV1-C710N

Jamb ——— Stainless steel, hairline-finish
Doors ——— See-through doors
Hall position indicator
and button — PIV1-A1010NA

Hall Finishes

Materials/Finishes	Jamb	Doors	Sill
Painted steel sheet	S	S	
Stainless steel, hairline-finish	O	O	
Stainless-steel, hairline-finish with etched pattern (SUS-HE)		O	
Stainless-steel, Gold Finish	O	O	
Extruded hard aluminum			S

Hall Position Indicators and Buttons

With Plastic Case

Standard
PIV1-A1010NA Boxless
PIV1-A1010BA

Standard
PIV1-A1020NA Boxless
PIV1-A1020BA

PIV1-C710N

PIV1-C720N

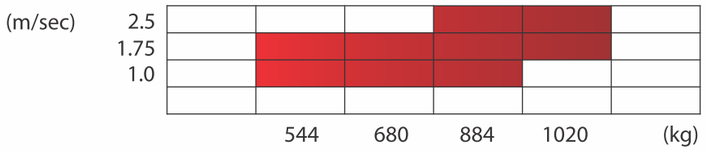
FE Switch
FE-C60

HLV-A16S

HLH-A16S

Basic Specification - With Machine Room (MR)

Application for MR



Horizontal Dimensions

Code number	Number of persons	Rated speed (m/sec)	Rated capacity (kg)	Door type	Entrance width (mm) JJ	Counter-Weight position	Car internal dimensions (mm) AA × BB	With fireproof SS Doors (Fireproof Glass Doors) Minimum hoistway dimensions (mm) AH × BH	With fireproof SS Doors (Fireproof Glass Doors) Minimum machine room dimensions (mm) AM × BM
P8-CO	8	1.0 1.75	544	CO	800 : Standard	Rear	1300×1100	1770 (1840) × 1675	1860 (1950) × 2950
					900 : Optional			1970 (2040) × 1675	2060 (2150) × 2950
P10-CO	10		680		800 : Standard		1300x1350	1770 (1840) × 1925	1860 (1950) × 3200
					900 : Optional			1970 (2040) x 1925	2060 (2150) × 3200
P10D-CO					800 : Standard	Side	1100x1600	1895 × 1965	1895 × 1965
					900 : Optional			1995 (2040) × 1965	1995 (2040) × 1965
P10D-2S				2S	900 : Optional			1735 × 2030	1735 × 2030
P13-CO	13	1.0 1.75 2.5	884	CO	900 : Standard	Rear	1600x1350	2000 (2040) × 1925	2000 (2040) × 1950
					1000 : Optional			2200 (2240) × 1925	2200 (2240) × 1925
					1100 : Optional			2400 (2440) × 1925	2400 (2440) × 1950
P13W-CO					900 : Standard		2000x1100	2400 × 1675	2400 × 1700
					1000 : Optional			2400 × 1675	2400 × 1700
					1100 : Optional			2400 (2440) × 1675	2400 (2440) × 1700
P13D-CO					900 : Standard			2075 x 2365	2075 × 2365
					800 : Optional			1975 x 2365	1975 × 2365
					1000 : Optional	Side	1100x2000	2175 (2240) x 2365	2175 (2240) × 2365
P13D-2S				2S	900 : Standard			1850 × 2430	1850 × 2430
					1000 : Optional			1850 × 2430	1850 × 2430
P15-CO	15	1.75 2.5	1020	CO	900 : Standard	Rear	1600x1500	2000 (2040) × 2075	2000 (2040) × 2100
					1000 : Optional			2200 (2240) × 2075	2200 (2240) × 2100
					1100 : Optional			2400 (2440) × 2075	2400 (2440) × 2100
P15D-CO					900 : Standard	Side	1100x2200	2075 × 2565	2075 × 2565
					800 : Optional			1975 x 2565	1975 x 2565
					1000 : Optional			2175 (2240) x 2565	2175 (2240) x 2565
P15D-2S				2S	900 : Standard			1850 × 2630	1850 × 2630
					1000 : Optional			1850 × 2630	1850 × 2630

[Terms of the table]
- The contents of this table only apply to standard specifications. Please consult us for other specifications.
- Rated capacity is calculated as 68kg per person.
- CO: 2-panel center opening doors, 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 the dimensions for IS3614-compliant fireproof doors.
- Fireproof Glass doors are not applicable for 2S Doors.
- Fireproof Glass doors are applicable for all CO Doors. Same Hoistway dimension & Machine room dimension required wherever red font dimension not given.

Vertical Dimensions

Rated speed (m/sec)	Rated capacity (kg)	Travel (m) TR	Maximum number of stops	Minimum overhead (mm) OH	Minimum pit depth (mm) PD	Minimum Machine room clear height (mm) HM	Minimum floor to floor height (mm)
1.0	544, 680, 884	TR≦60	22	4400	1360	2200	2610
1.75	544, 680, 884, 1020	TR≦90	34	4630	1410		
2.5	884, 1020	TR≦90	34	4950	1900		
		90<TR≦120	36	5050	2000		

[Terms of the table]
- The contents of this table only apply to standard specifications without counterweight safety. Please consult us for other specifications.

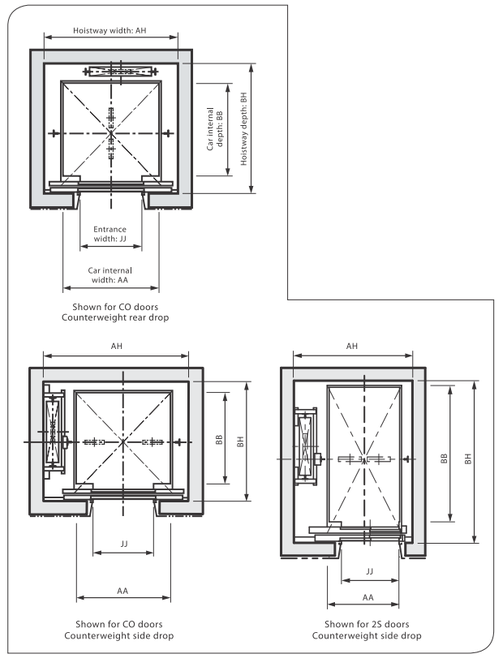
Power Feeder Data

Capacity (kg)	Rated speed (m/sec)	Motor output (kW)	Current at 400V FLU (A)	Current at 400V FLAcc (A)	Capacity of power supply (kVA)	Breaker current rating (A) 400V	Heat emissions (W)
544	1.0	3.7	10	16	5	15	850
	1.75	6.5	15	26	7	20	1500
680	1.0	4.6	12	19	5	15	1100
	1.75	8.1	19	32	8	30	1900
884	1.0	5.6	14	24	6	20	1400
	1.75	9.7	24	41	10	30	2400
	2.5	14	33	58	14	50	3450
1020	1.75	11	27	47	12	40	2800
	2.5	16	38	66	16	50	3950

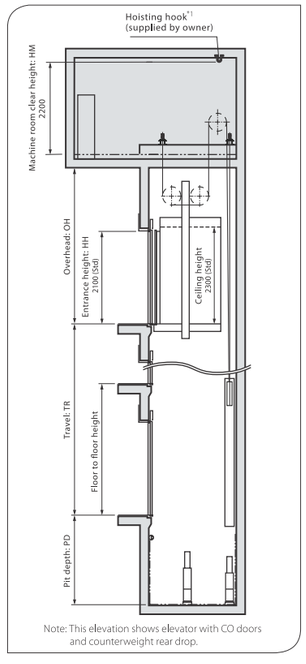
FLU: current during upward operation with full load at power supply voltage of 400V.
FLAcc: current while accelerating with full load at power supply voltage of 400V.

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))

Hoistway Plan

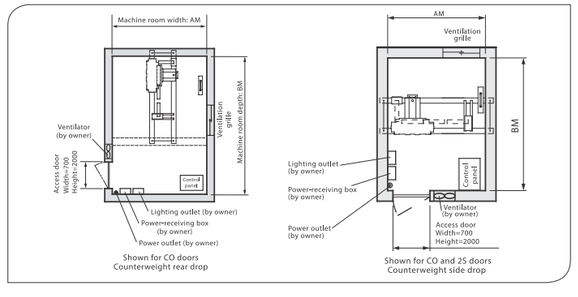


Elevation



Note: This elevation shows elevator with CO doors and counterweight rear drop.

Machine Room Plan



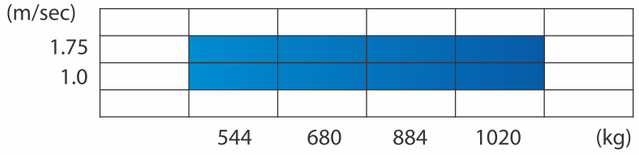
Note - Operation System

4 Car Group Control operation is available in 2.5 m/sec.

Note:
*1 Each load is as follows.
Hoists equipment: 20000N
Traction machine : 20000N
Control panel: 5000N

Basic Specification- Machine Room-Less (MRL)

Application for MRL



Horizontal Dimensions

Code number	Number of persons	Rated speed (m/sec)	Rated capacity (kg)	Door type	Entrance width (mm) JJ	Counter-Weight position	Car internal dimensions (mm) AA×BB	With fireproof SS Doors (Fireproof Glass Doors) Minimum hoistway dimensions (mm) AH×BH
P8-CO	8	1.0 1.75	544	CO	800 : Standard	Side	1100×1300	1820 (1840) × 1735
					900 : Optional			2000 (2040) × 1735
P8-2S				2S	900 : Optional			1650 x 1740
P10-CO	10		680	CO	800 : Standard		1300×1350	1920 × 1735
					900 : Optional			2025 (2040) × 1735
P10D-CO					800 : Standard		1100×1600	1820 (1840) × 1935
					900 : Optional			2000 (2040) × 1935
P10D-2S				2S	900 : Optional			1650 x 2000
P13-CO	13		884	CO	900 : Standard		1600×1350	2175 × 1735
					1000 : Optional			2275 × 1735
					1100 : Optional			2400 (2440) × 1735
P13D-CO					900 : Standard		1100×2000	2000 (2040) x 2335
					800 : Optional			1820 (1840) x 2335
					1000 : Optional			2200 (2240) x 2335
P13D-2S				2S	900 : Standard			1650 × 2400
					1000 : Optional			1865 x 2400
P15-CO	15		1020	CO	900 : Standard		1600×1500	2175 × 1835
					1000 : Optional			2275 × 1835
					1100 : Optional			2400 (2440) × 1835
P15D-CO					900 : Standard		1100×2200	2000 (2040) × 2535
					800 : Optional			1820 (1840) x 2535
					1000 : Optional			2200 (2240) x 2535
P15D-2S				2S	900 : Standard			1650 × 2600
					1000 : Optional			1865 × 2600

[Terms of the table]
- The contents of this table only apply to standard specifications. Please consult us for other specifications.
- Rated capacity is calculated as 68kg per person.
- CO: 2-panel center opening doors, 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 the dimensions for IS3614-compliant fireproof doors.
- Fireproof Glass doors are not applicable for 2S Doors
- Fireproof Glass doors are applicable for all CO Doors. Same Hoistway dimension required wherever red font dimension not given.

Vertical Dimensions

Rated speed (m/sec)	Travel (m) TR	Maximum number of stops	Minimum overhead (mm) OH			Minimum pit depth (mm) PD	Minimum floor to floor height (mm)
			Ceiling Type				
			S00 / S00S	L210S	N600 / N600S		
1.0	TR ≦30	22	3750	3800	3700	1300	2610
	30<TR≦60		3800	3850	3750	1300	
1.75	TR≦30	28	3950	4000	3900	1600	
	30<TR≦60		4000	4050	3950	1700	
	60<TR≦80		4150	4200	4100	1750	

[Terms of the table]
- The contents of this table only apply to standard specifications without counterweight safety. Please consult us for other specifications.

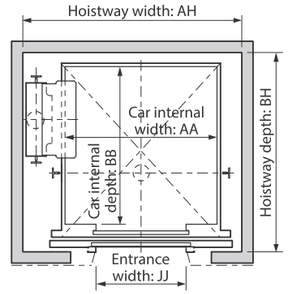
Power Feeder Data

Capacity (kg)	Rated speed (m/sec)	Motor output (kW)	Current at 400V		Capacity of power supply (kVA)	Breaker current rating (A) 400V	Heat emissions (W)
			FLU (A)	FLAcc (A)			
544	1.0	3.7	9	15	4	15	850
	1.75	6.5	15	25	6	20	1340
680	1.0	4.6	12	20	5	15	1100
	1.75	8.1	20	34	8	30	1780
884	1.0	5.6	14	24	6	20	1260
	1.75	9.7	23	40	10	30	2060
1020	1.0	6.2	16	27	7	20	1420
	1.75	11	26	46	11	40	2340

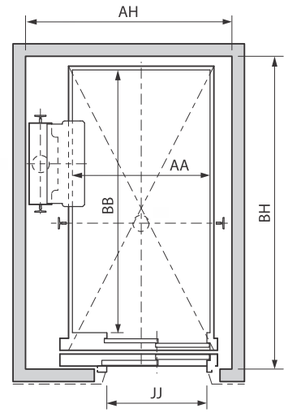
FLU: current during upward operation with full load at power supply voltage of 400V.
FLAcc: current while accelerating with full load at power supply voltage of 400V.

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))

Hoistway Plan



Shown for CO doors
Counterweight side drop

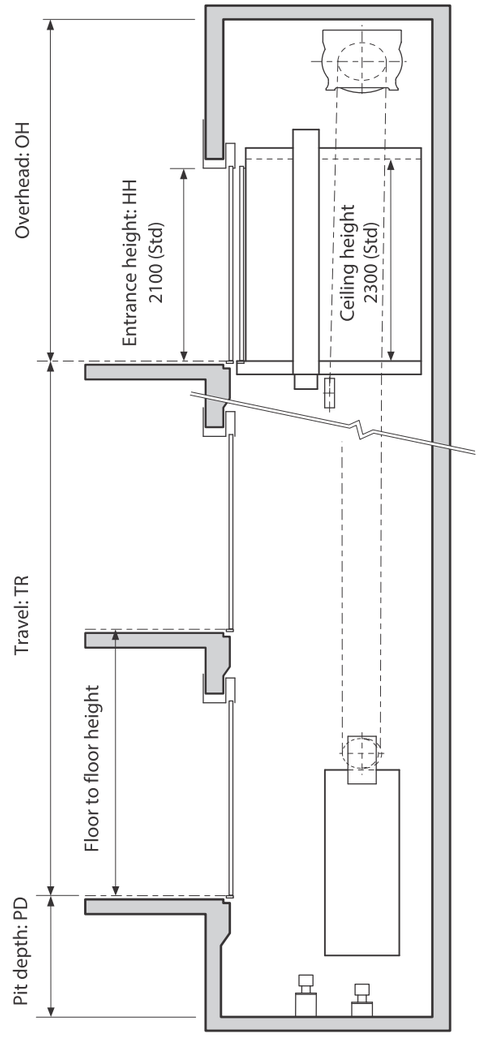


Shown for 2S doors
Counterweight side drop

Note - Operation System

4 Car Group Control operation is available in MRL.

Hoistway Section



Features

Standard Features

Feature	Abbreviation	Description	1 Car	2 Car	3 Car
Mitsubishi Emergency Landing Device	MELD	Upon power failure, a car equipped with this function automatically moves to and stops at the nearest floor using a rechargeable battery, and the doors open to facilitate the safe evacuation of passengers. (Maximum allowable floor-to-floor distance is 10 meters.)	S	S	S
Emergency Bell	EMB	A system for entrapped passengers in a car to contact a person outside by pressing the alarm button on the car operating panel.	S	S	S
Emergency Car Lighting	ECL	Car lighting which turns on immediately when power fails to provide a minimum level of lighting within the car. (Choice of dry-cell battery or trickle-charge battery.)	S	S	S
Door sensor self-diagnosis	DODA	Failure of non-contact door sensors is checked automatically, and if a problem is diagnosed, the door close timing is delayed and the closing speed is reduced to maintain elevator service and ensure passenger safety.	S	S	S
Automatic Door Speed Control	DSAC	Door load on each floor, which can depend on the type of hall door, is monitored to adjust the door speed, thereby making the door speed consistent throughout all floors.	S	S	S
Reopen With Hall Button	ROHB	Closing doors can be reopened by pressing the hall button corresponding to the traveling direction of the car.	S	S	S
Repeated Door-Close	RDC	Should an obstacle prevent the doors from closing, the doors will repeatedly open and close until the obstacle is cleared from the doorway.	S	S	S
Door Nudging Feature-with Buzzer	NDG	A buzzer sounds and the doors slowly close when they have remained open for longer than the preset period. With AAN-G, a beep and voice guidance sound instead of the buzzer.	S	S	S
Door Load Detector	DLD	When excessive door load has been detected while opening or closing, the doors immediately reverse.	S	S	S
Multi-Beam Door Sensor	-	Multiple infrared-light beams cover some of the height and full width of the doors. Closing doors can be reopened when one infrared-light beam is interrupted.	S	S	S
Safe Landing	SFL	If a car has stopped between floors due to some equipment malfunction, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor at low speed and the doors will open.	S	S	S
Next Landing	NXL	If the elevator doors do not open fully at a destination floor, the doors close and the car automatically moves to the next or nearest floor where the doors will open.	S	S	S
Continuity of Service	COS	A car which is experiencing trouble is automatically withdrawn from group control operation to maintain overall group performance.	-	S	S
Overload Holding Stop	OLH	A buzzer sounds to alert the passengers that the car is overloaded. The doors remain open and the car will not leave that floor until enough passengers exit the car.	S	S	S
Car Call Canceling	CCC	When a car has responded to the final car call in one direction, the system regards remaining calls in the other direction as mistakes and clears them from the memory.	S	S	S
Car Fan Shut Off-Automatic	CFO-A	Car ventilation fan shut off automatically to conserve energy if there are no calls for a specified period.	S	S	S
Car Light Shut Off-Automatic	CLO-A	Car lighting shut off automatically to conserve energy if there are no calls for a specified period.	S	S	S
Backup Operation for Group Control Microprocessor	GCBK	An operation by car controllers which automatically maintains elevator operation in the event that a microprocessor or transmission line in the group controller has failed.	-	S	S
Independent Service	IND	Exclusive operation where a car is withdrawn from group control operation for independent use, such as maintenance or repair, and responds only to car calls.	S	S	S
False Call Canceling Car Button Type	FCC-P	If a wrong car button is pressed, it can be canceled by quickly pressing the same button again twice.	S	S	S
Car Computer Backup Operation	CCBK	Failure of a car controller is immediately reported to the control system. The car parks at the next stop and opens the doors so that passengers exit.	S	S	S
Hall Computer Backup Operation	HCBK	Failure of a hall controller is immediately reported to the control system. The car parks at the next stop and opens the doors so that passengers exit.	S	S	S
Strategic Overall Spotting	SOHS	To reduce passenger waiting time, cars which have finished service are automatically directed to positions where they can respond to predicted hall calls as quickly as possible.	-	S	S
Car Top Buzzer	CTBZ	According to elevator operating condition, various buzzers are provided.	S	S	S

Optional Features

Feature	Abbreviation	Description	1 Car	2 Car	3 Car
Operation by Emergency Power Source - Automatic Only	OEPS-SA	Upon power failure, predetermined car(s) use a building's emergency power supply to move to a specified floor, where the doors then open to facilitate the safe evacuation of passengers. After all cars have arrived, predetermined car(s) will resume normal operation.	A	A	A
Fire Emergency Return	FER	Upon activation of a key switch or a building's fire sensors, all calls are canceled, all cars immediately return to a specified evacuation floor and the doors open to facilitate the safe evacuation of passengers.	A	A	A
Firefighter's Emergency Operation	FE	During a fire, when the fire operation switch is activated, the car calls of a specified car and all hall calls are canceled and the car immediately returns to a pre-determined floor. The car then responds only to car calls which facilitate fire-fighting and rescue operations.	A	A	A
Earthquake Emergency Return	EER-S	Upon activation of seismic sensors, all cars stop at the nearest floor, and park there with the doors open to facilitate the safe evacuation of passengers.	A	A	A
Emergency Stop with Switch	EMS	This feature is provided on the car operating panel and makes the running car stop in case of emergency.	A	A	A
Contact Supply of Elevator State Signal for BA/BMS	CSB	The signals of elevator state are output to the BA (Building Automation)/BMS (Building Management System) by contacts.	A	A	A
Car Arrival Chime-Car	AECC*2	Electronic chimes sound to indicate that a car will soon arrive. (The chimes are mounted either on the top and bottom of the car.)	A	A	A
Car Arrival Chime - Hall	AECH*2	Electronic chimes sound to indicate that a car will soon arrive. (The chimes are mounted in each hall.) *1	A	A	A
Voice Guidance System	AAN-G	Information on elevator service such as the current floor or service direction is given to the passengers inside a car. (English only)	A	A	A
Inter-Communication System	ITP	A system which allows communication between passengers inside a car and the building personnel.	A	A	A
Non-Service Temporary Release for Car Call – Card Reader Type	NSCR-C	To enhance security, car calls for desired floors can be registered only by placing a card over a card reader. This function is automatically deactivated during emergency operation.	A	A	A
Elevator Remote Control - Car	EVRC-C	A handy accessory, especially for exclusive operation and changing lighting settings, etc.	A	A	A
Main Floor Parking	MFP	An available car always parks on the main (lobby) floor with the doors open.	A	A	A

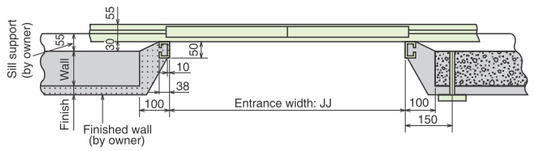
S = Standard A = Optional

Note :
*1 AECH will be applicable along with Selection of Hall Lantern only
*2 AECC & AECH cannot be selected together

E-102

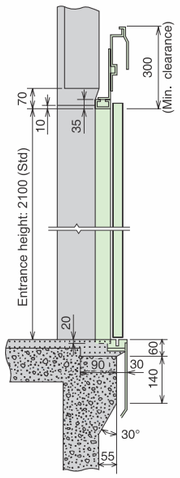
CO

Door plan (section B-B)

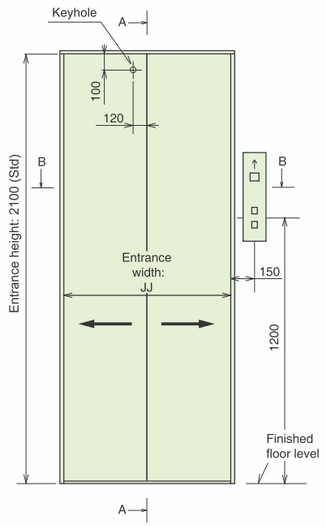


Note: This drawing indicates that boxless fixtures are mounted on the wall.

Door elevation (section A-A)

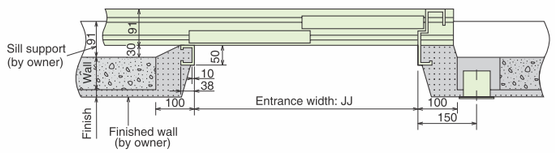


Hoistway entrance



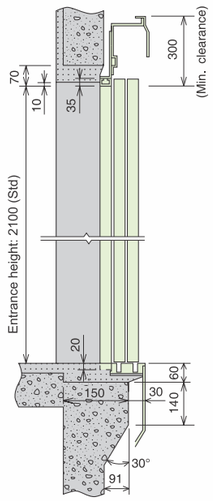
2S

Door plan (section B-B)

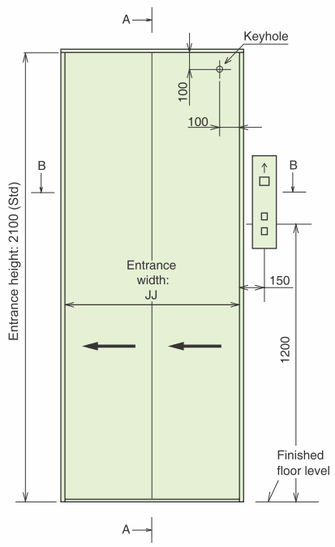


Note: This drawing indicates that fixtures with the back box are mounted on the wall.

Door elevation (section A-A)



Hoistway entrance



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:

- Construction of the elevator machine room with proper beams and slabs, equipped with a lock, complete with illumination, ventilation and waterproofing.
- Access to the elevator machine room sufficient to allow passage of the control panel and traction machine.
- Architectural finishing of the machine room floor, and the walls and floors in the vicinity of the entrance hall after installation has been completed.
- Construction of an illuminated, ventilated and waterproofed elevator hoistway.
- The provision of cutting the necessary openings and joists.
- Separate beams, when the hoistway dimensions markedly exceed the specifications, and intermediate beams when two or more elevators are installed.
- All other work related to building construction.
- The machine room power-receiving panel and the electrical wiring for illumination, plus the electrical wiring from the 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, etc.
- 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.
- Statutory approvals for elevator erection permission and operating license, as State wise.

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

Elevator Site Requirements

- The temperature of the machine room and elevator hoistway shall be below 40˚C.
- The following conditions are required for maintaining elevator performance.
  a. A relative humidity below 90% on a monthly average and below 95% on a daily average.
  b. Prevention shall be provided against icing and condensation occurring due to a rapid drop in temperature in the machine room and elevator hoistway.
  c. The machine room and 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 floors to be served or number of elevator landings along with non-stop and Emergency landing floor items.
- The total elevator travel and each floor-to-floor height.
- Operation system.
- Selected design and size of car.
- Entrance design.
- Signal equipment.
- A schematic diagram 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.