

This information in this catalogue is subject to change without notice. The information and diagram in this catalogue reflect the technical feature and configuration of the elevator model at press time (refer to the version number). In line with the principle of continuous development of products, our company reserves the right to change the selection of product technical parameters and colour at any time. The existing image technology cannot accurately reproduce the elevator component structure and decoration colour. Therefore, this catalogue only provides general information, not as a contract document. The specific configuration parameters are subject to the formal agreement.







### **Double Permanent Magnet Configuration**

Main machine using high-precision permanent magnet synchronous motors, motor pole number increases, making the control more precise. Door system using permanent magnet synchronous technology, without mechanical reduction gear, avoids the energy loss of the corresponding structures while improving the transmission efficiency.



### **Energy Regenerative Function\***

[Option for speed 60~150m/min and load ≤ 1050kg with speed 180m/min]

Making use of the energy generated by an elevator when traveling downwards with a heavy car load or upwards with a light car load, the traction machine acts as a power generator to transmit power back to the electrical network in the building.



### **LED Lighting**

Using LED as a light source (including emergency lighting), low power, high brightness, higher energy saving as compared to traditional light sources.



### EMC Standards\*[Option]

Hitachi MCA machine room elevators adopt EMC standards in line with the latest elevator EMC recommendation, helping that the elevator system does not cause radiation or conduction disturbance on the surrounding environment and equipment, while at the same time not under the influence of surrounding equipment.



\*Details please contact us.

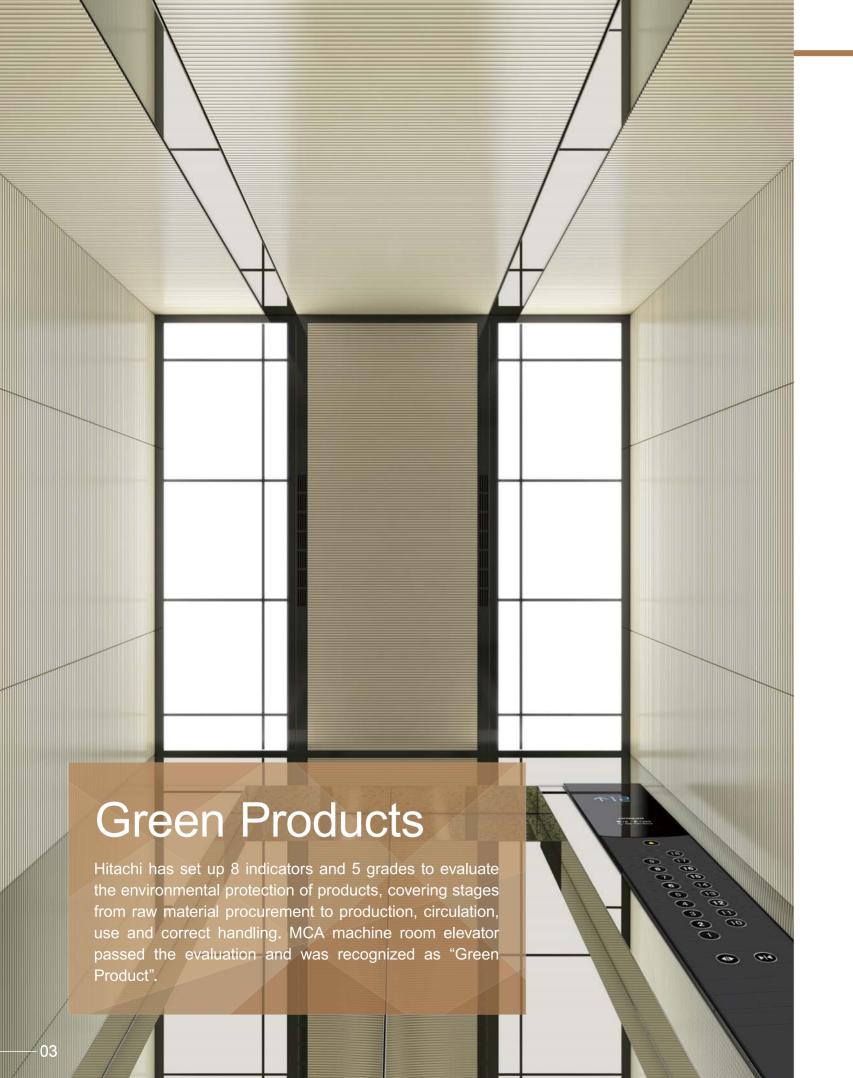
# **Energy Efficiency**

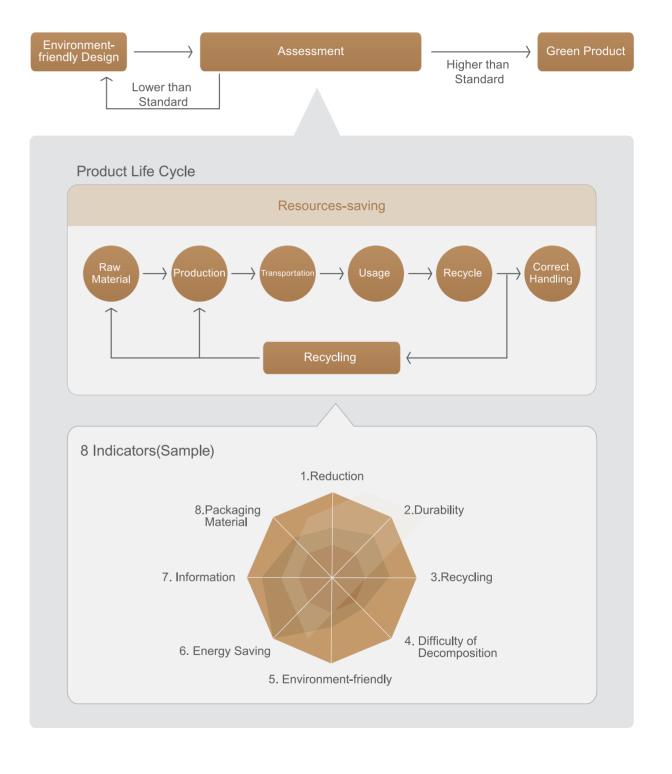
Hitachi MCA machine room elevator achieved the highest rating of Class A for VDI4707 energy efficiency certification.





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# Safety

Passengers safety is always the upmost concern, Hitachi MCA machine room elevator, equip with multiple features to ensure safe and comfortable ride.

### Multi-beam Configuration

Power off automatically when idles, saving energy and improves multi-beam lifespan, The multi-beams fault-handling capability, improve the security of the door system. Judging by the 'blocking time' and reoccurrence rate, the elevator can distinguish and avoid false fault thus improve running efficiency.



#### Brake

Brakes are designed according to Hitachi standard. The high braking performance enhances the safety of the passengers in emergency cases.



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### **Eco-Friendly LED Lighting Design**

The use of LED helps to create a cozy atmosphere for the passengers, with its DC powered, flicker-free, energy efficiency features.



### Horizontal Car Operating Panel [Option]

Horizontal car operating panel is available to provide the passengers with an easy elevator-taking environment.



### Deep/Wide Car Design

The human-oriented deep and wide car designs are available to facilitate the usage of stretcher in elevator.



# **Humanised Design**

We strive to take a human-oriented approach to delivering a more comfortable riding experience for the passengers, and making our products more suitable for the buildings.

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## Car Design (Normal Car)

Ceiling height: 2450mm

Car ceiling: RF-018

Stainless steel hairline

Center: Painted steel\_HP65 (Matte black) + LED downlight

Car front return panel: Stainless steel hairline

Car transom: Stainless steel hairline

Side walls: Stainless steel hairline

Rear walls: Stainless steel hairline + Stainless steel mirror bar

Car door: Stainless steel hairline

Car operating panel: GOPR-820

Car position indicator: Monochrome LCD

Car floor: A-26





### Car Design (Deep Car)

Ceiling height: 2450mm

Car ceiling: RF-018

Stainless steel hairline

Center: Painted steel\_HP65 (Matte black) + LED downlight

Car front return panel: Stainless steel hairline

Car transom: Stainless steel hairline

Side walls: Stainless steel hairline

Rear walls: Stainless steel hairline + Stainless steel mirror bar

Car door: Stainless steel hairline Car operating panel: GOP-199

Car position indicator: Monochrome LCD

Car floor: A-26



## Car Design (Wide Car)

Ceiling height: 2450mm

Car ceiling: RF-018

Stainless steel hairline

Center: Painted steel\_HP65 (Matte black) + LED downlight

Car front return panel: Stainless steel hairline

Car transom: Stainless steel hairline

Side walls: Stainless steel hairline

Rear walls: Stainless steel hairline + Stainless steel mirror bar

Car door: Stainless steel hairline

Car operating panel: GOP-199

Car position indicator: Monochrome LCD

Car floor: A-26







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#### Ceiling

### Ceiling (Without Car Top Emergency Exit)



RF-018 (Standard) 1 2 Stainless Steel Hairline + Painted Steel \_HP65 (Matte Black)



Painted Steel\_WP71 (White)



Painted Steel\_HP57 (Matte Light Brown)



Painted Steel\_YM47 (Matte Champagne)



**CE-027** ② Acrylic Panel + Aluminum Frame



DX-301G 2 Acrylic Panel + Aluminum Frame



DP-047 2 Stainless Steel Hairline + Painted Steel\_HP57 (Matte Light Brown)



RF-013 1 2 Painted Steel\_BN18 (Grey)



RF-081 1 2 Painted Steel\_HP57 (Matte Light Brown)



Painted Steel\_WN01 (Ivory White)



Painted Steel\_HM03 (Matte Sliver)



Painted Steel\_YM47 (Matte Champagne)



Painted Steel\_YM47 (Matte Champagne)



Painted Steel\_BN18 (Grey) (Select when false ceiling is by Client)

- ① Ceiling is with deep car option.
  ② Ceiling is with wide car option.
  ③ The ceilings illustrated above are based on 1600x1500mm car size.
  ④ The ceiling profile may varies with different car size.
- 5 Details, please contact us.

### Ceiling (With Car Top Emergency Exit)



Painted Steel\_WN01 (Ivory White)



Painted Steel\_HP57 (Matte Light Brown)



Painted Steel\_WN01 (Ivory White)



CE-015A Painted Steel\_WN01 (Ivory White)



DP-016A Painted Steel\_YM47 (Matte Champagne)



DP-017A Painted Steel\_YM47 (Matte Champagne)



RF-056A (1) (2) Painted Steel\_WN01 (Ivory White) (Select when false ceiling is by Client)

- ① Ceiling is with deep car option.
  ② Ceiling is with wide car option.
  ③ The ceilings illustrated above are based on 1600x1500mm car size.
  ④ The ceiling profile may varies with different car size.
- 5 Details, please contact us.

### Entrance





Jamb frame: AS-1X narrow type Stainless steel hairline Door panel: Stainless steel hairline Door sill: Extruded hard aluminum

### Option



Jamb frame: SS-1X wide type
Stainless steel hairline
Door panel: Stainless steel hairline
Door sill: Extruded hard aluminum



Jamb frame: SL-2X wide type with transom Stainless steel hairline Door panel: Stainless steel hairline Door sill: Extruded hard aluminum



Jamb frame: TS-1X wide type
Stainless steel hairline
Door panel: Stainless steel hairline
Door sill: Extruded hard aluminum



Jamb frame: TL-2X wide type with transom Stainless steel hairline Door panel: Stainless steel hairline Door sill: Extruded hard aluminum

### Option Decorated Steel





GSDV5

GSD92508

GSDV7

### Standard

### Car Floor (Vinyl Tile)



### Option Handrail



AA-Y138 Stainless steel hairline or mirror



AA-BS Stainless steel hairline

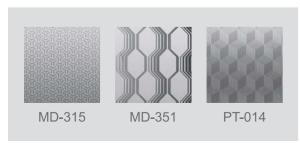


HR-M050 Stainless steel hairline or mirror



HR-M037 Stainless steel hairline

### Option Etching Pattern





### Colour Stainless Steel Hairline



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#### Car Operating Panel

(With faceplate: stainless steel hairline)

### Standard





GOPR-820 Indicator: Monochrome LCD Monochrome LCD Button: WL-MWB (Hinge type)



GOP-199 Indicator: Button: WL-MWB





OPM-320 Indicator: Monochrome



GOP-673

Indicator:

Monochrome

LCD

Button: WL-MW Button: WL-MW

GOP-680 Indicator: Monochrome LCD

Button: FL-PW



GOP-677

Indicator:

(Hinge type)



### Hall Operating Panel

(With faceplate: stainless steel hairline)

### Standard



VIB-820 Indicator: Monochrome LCD. Button: WL-MWB (Surface-mount type)



VIB-820W Indicator: Monochrome LCD, Button: WL-MWB (Surface-mount type)





VIB-320 Indicator: Monochrome LCD, Button: WI -MW (Surface-mount type)



VIB-320W Indicator: Monochrome LCD, Button: WI -MW (Surface-mount type)



VIB-673 VIB-673W Indicator: Indicator: Monochrome LCD, Monochrome LCD, Button: WI -MW Button: WI -MW (Surface-mount type) (Surface-mount type)



VIB-680 Indicator: Monochrome LCD, Button: FL-PW (Surface-mount type)



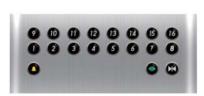
VIB-680W Indicator: Monochrome LCD, Button: FL-PW (Surface-mount type)

#### Horizontal Car Operating Panel (With faceplate: stainless steel hairline)





GOP-610 Button: FL-PW



GOPC-520 Button: FL-PW



VIB-187A Indicator: Colour LCD, Button: FL-PW (Embedded type)



VIB-187WA Indicator: Colour LCD. Button: FL-PW (Embedded type)



HB-658 Button: FL-PW

Option



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HB-673 Button: WL-MW (Surface-mount type) (Surface-mount type) (Surface-mount type)



HBC-820 Button: WL-MWB

### **Button**









WL-MW

Option



WL-MO



GL-MB



XL-MWA



XL-MOA





XL-MBA



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FL-PW

### Hall Indicator (Dot-matrix display)



GHI-675 (With faceplate: stainless steel hairilne)



GHI-575 (Without faceplate: incorporate into transom)

### Hall Lantern (With faceplate: stainless steel hairline)



GHL-673 Surface mounted type, With chime



With chime

GHL-820

GHL-668 Surface mounted type, Surface mounted type,

Without chime

Note: Braille buttons are of maximum 2 digits and available as options.

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### **Decoration and Entrance**

Car Decoration

Item	Specification	<ul><li>Standard</li><li>Option</li></ul>
Ceiling Type	Without car top emergency exit: RF-018	•
	Without car top emergency exit: RF-068 / RF-080 / CE-011 / CE-027 / DX-301G / DP-047 / RF-013 / RF-081 / RF-082 / CE-015 / DP-016 / DP-017 / RF-056	0
	With car top emergency exit: RF-013A / RF-081A / RF-082A / CE-015A / DP-016A / DP-017A / RF-056A	0
Car Door/Transom /3 Side Walls	Stainless steel hairline	•
	Stainless steel mirror	0
	Stainless steel hairline etching, Stainless steel mirror etching	0
/Front Return Wall	Colour stainless steel hairline	0
	Rust proof painted steel (RPP) / Decorated steel	0
Kickplate	Stainless steel hairline	•
Car Sill	Extruded hard aluminum	•
Car Sili	Stainless steel hairline	0
Car Floor	Vinyl tile (FL-P009 / FL-P008 / A-26 / S-033 / S-048 / S-693)	•
Car Floor	Floor recess (20mm / 25mm / 30mm), Finishes by Others	0
Handrail	AA-Y138 / AA-BS / HR-M050 / HR-M037	0
Car Operating Panel	GOPR-820	•
(At Front Return Wall)	OPM-320 / GOP-673 / GOP-680 / GOP-677 / GOP-678 / GOP-198 / GOP-199	0
Car Operating Panel	GOP-199	•
(At Side Wall)	GOP-198 / GOP-610 / GOPC-520	0

#### Entrance

Item	Specification	Standard ● Option
Jamb Type	AS-1X, Jamb width=50mm	•
	SS-1X, Jamb width≤300mm	0
	SL-2X, Jamb width≤300mm	0
	TS-1X, Jamb width≤300mm	0
	TL-2X, Jamb width≤300mm	0
	Stainless steel hairline	•
Jamb Finish	Stainless steel mirror	0
	Rust proof painted steel (RPP)	0
	Stainless steel hairline	•
	Stainless steel mirror	0
Landing Door	Stainless steel hairline etching, Stainless steel mirror etching	0
	Colour stainless steel hairline	0
	Rust proof painted steel (RPP) / Decorated steel	0
Landing Sill	Extruded hard aluminum	0
Editaling Cili	Stainless steel hairline	0
	Surface-mount type: VIB-820 / VIB-820W	•
Hall Operating Panel	Surface-mount type: VIB-320 / VIB-320W / VIB-673 / VIB-673W / HB-673 / VIB-680 / VIB-680W / HB-658 / HBC-820	0
	Embedded type: VIB-187A / VIB-187WA	0
Hall Lantern	GHL-673 / GHL-668 / GHL-820	0
Hall Indicator	GHI-675 (With stainless steel hairline faceplate)	0
Hall Illulcator	GHI-575 (Without faceplate, incorporate into transom panel)	0

#### Buttons

Item	Specification	Standard ● Option
Button	WL-MWB	•
	WL-MO / WL-MW / WL-MB / GL-MOA / GL-MW / GL-MB / FL-PW / XL-MO / XL-MW / XL-MB / XL-MOA / XL-MWA / XL-MBA / HL-PWA	0

Note