

## EAST AFRICAN ELEVATOR CO LIMITED

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## EAGLE-7A/7B

Machine Roomless Passenger Elevator





## Enjoy Comfortable Life

**EAGLE-7A/7B** is a kind of medium to high end customized machine roomless elevator. It takes the shaft space as the leading, customizes diversified solutions, perfectly combines the practicality and aesthetics of the space, and creates a pleasant experience when taking elevators. In addition, it greatly reduces the space occupied by the shaft and uses a simple, safe and efficient installation method to save civil engineering and installation time, bringing more commercial value to the building.



## Applicable Scenario

- Residence

Hotel

Complex

Hospital

Office

## Coverage

Rated Speed							Travel Height
1.75m/s							75m
1.0m/s							45m
	400kg	450kg	550kg	630kg	800kg	1050kg	

Rated Load

## EAGLE-7A/7B

### Machine-roomless Passenger Elevator

Driven by flexibility, safety, and environmental amity, a harmonious, comfortable, and convenient life with elevator is built.

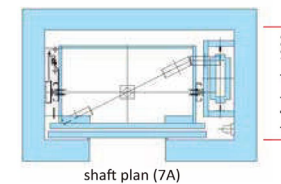
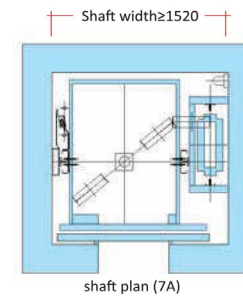


### Flexible Layout

**EAGLE-7A/7B** adopts a more flexible design, and it can adapt to all kinds of shafts with extreme width and depth. The minimum clear depth of the shaft can be 1300mm, and the minimum clear width of the shaft can be 1520mm. The utilization rate of the shaft is up to 58.06%, which makes it easy to meet the needs of the shaft with the elevator.

A flexible layout makes **EAECL-7A/7B** further improve the utilization rate of the shaft and give the car a more spacious and comfortable space.

Shaft utilization rate is up to **58.06%**



### Simplified Design

Adopting full modular design, no scaffold needed, and the installation efficiency increased by more than 30%. The generalization rate of parts is up to 95%, which makes the elevator installation and maintenance more standardized and simplified.

Installation efficiency improves by **30%**

### Accurate / Comfortable



#### Noise reduction

Contactless magnetic induction principle. The elevator can change speed without noise and vibration, and the effect of static room is 20% higher than that of the national standard. People can sleep in the bedroom separated from the elevator wall.



#### Shock absorption

Increase the motor's shock absorption, reduce the vibration and noise generated by the motor, and bring a comfortable when taking elevator experience.



#### Beauty

Optimize the elevator structure. There are no obstacles when customers enjoy the beautiful scenery in the sightseeing cabin, bringing a better sightseeing feeling.



#### Purification

Air anion purification device can realize the car deodorization, sterilization, disinfection, and care for your healthy life (optional).



## Standard Configuration

The pictures are for your reference only. Details shall be subject to physical objects or consult the EAECL sales representative.



### CAR75-11

Note: Trap door can be available on C19 ceiling

COP	COP34-00 (Hairline stainless steel / plexiglass / white dot matrix display)
Ceiling	C19-00 (Hairline stainless steel / LED ceiling light)
Car Wall	CW03-20 (Hairline stainless steel (side wall, back wall is divided into 3 pieces, big in the middle, small on both sides)
Car Door	L01-00 (Hairline stainless steel)
Floor	F01-00 (Wear-proof PVC)





## Decoration configuration

COP (Standard & Optional)

Dot-matrix display



Standard	COP34-00
Panel	Hairline SS. + plexiglass
Display	dot matrix in white
Button	B12C-00



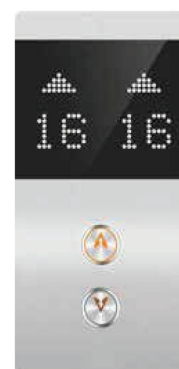
	COP46-00
Panel	Hairline SS. + plexiglass
Display	7-inch picture LCD (Vertical display)
Button	B12C-00

## Decoration configuration

HOP (Dot-matrix Display)



Standard	HOP37-00
Panel	Hairline SS. + plexiglass
Display	dot matrix in white
Button	B12H-00



	circuit)	HOP39-00
Panel		Hairline SS. + plexiglass
Display		dot matrix in white
Button		B12H-00



Liquid Crystal Display(Opt.)

	pe	HOP38-00
Panel		Hairline SS. + plexiglass
Display		White segment LCD
Button		B12H-00

## Decoration configuration

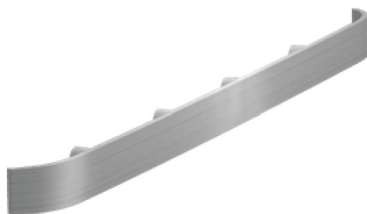
### Floor (Standard & Optional)



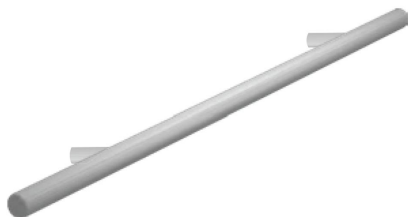
**F01-00 Standard**  
Material: Wear-proof PVC

## Decoration configuration

### Handrail (Standard & Optional)



Option 1	H01-00	Hairline SS.
Option 2	H01-01	Mirror SS.



Option 4	H05-00	Hairline SS.
Option 5	H05-01	Mirror SS.

## Decoration configuration

### Landing door+Door jamb (Standard & Optional)

Note: It's only for the first floor configuration. Please consult IFE sales representative for other floors.



Landing Door	Std.	L01-00	Hairline SS.
Door jamb	Std.	LDJ01-00	Hairline SS.

Steel plate painting color card  
Matte grey (PANTONG5295U)



Landing Door	Opt.	L04-00	Hairline SS. + glass
Door jamb	Std.	LDJ01-00	Hairline SS.

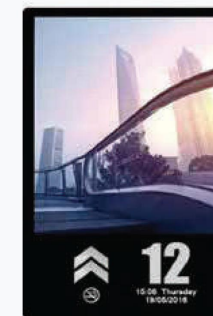


## Decoration configuration

### Ceiling (Standard & Optional)



Standard C19-00  
Hairline SS. + LED ceiling light



**Car Display(optional)**  
LCDP070  
Picture liquid crystal display  
Display size: 7 inch



## EAGLE-7A/7B

### Standard functions

#### Run Function

01	FSC	Full selective collection
02	FLP	Full-load by pass
03	CCR	Car call reset
04	DOB/DCB	Door open button/Door close button
05	DOBL/DCBL	Door open button light/Door close button light
06	RODI	Re-operation by Data Initialization
07	AHL	Automatic Home Landing
08	DRLC	Door reopening by landing call
09	ANCCP	Anti-Nuisance car call protection
10	TCS	Torque compensation in start
11	DPT	Direct Parking Technology

#### Safe Function

12	SLP	Safety loop protection
13	FS	Fault storage
14	FSFD	Power Supply Feedback Detection
15	OP	Overload protection
16	LCP	Light Curtain Protection
17	DRP	Door Interlock Protection
18	DIP	Door Interlock
19	LZG	Landing zone Guard
20	DCOP	Descending Car Overspeed Protection Means
21	ACOP	Ascending Car Overspeed Protection Means
22	DFD	Direction Feedback Detection

### Standard functions

23	BG	Breaker guard
24	CNRP	Contactor non-releasing protection
25	BMD	Fault storage
26	ESFD	End Station Forced Deceleration
27	BSP	Buffer Safety Protection
28	PSTP	Power-on Self-test Protection
29	ALRFM	Anti-locked-rotor Feature of Motor
30	SCC	Star Circuit Closure
31	RALP	Rope Anti-loose Protection
32	EW	Electronic Weighting
33	ESC	Electric Safety Chain
34	UCMP	Unintended Car Movement Protection Device
35	LD&CDBD	Landing Door & Car Door Bypass Device
36	DCD	Door Circuit Detection

#### Special operating

37	AO	Attendant operation
38	BS	Bypass switch
39	IS	Independent service
40	MFS	Main Floor Setting
41	FFS	Firefighting Floor Setting
42	INS	Inspection Operation
43	FCPS	Flexible Car Park Set

## EAGLE-7A/7B

### Standard functions

#### Man-machine interface

44	PI	Position Indicator
45	DI	Direction Indicator
46	FMFS	Floor market flexible set
47	AG	Arrival gong
48	HBDLRF	HOP Button Dim Light Reminder Function
49	CBDLBRF	COP Button Dim Light Buzzer Reminder Function
50	ODHDF	Open Door Hold Delay Function

#### Emergency Function

51	AB	Alarm button
52	ECL	Emergency car lighting
53	INTCOM	Intercom Device
54	EFO	Emergency fire operation
55	EFLF	Fireman's operation
56	EEO	Emergency rescue

#### Energy-saving function

57	PS	Parking service
58	ESS	Energy Saving Standby

## EAGLE-7A/7B

### Optional functions

01	DCO	Duplex Control Operation
02	GCO	Group Control Operation
03	IADO	In Advance Door Opening
04	REL	Re-leveling
05	ARD	Automatic Rescue Device
06	EAC	Elevator Air Conditioner
07	PRD	Power Regeneration Device
08	CMS	Community Monitoring System
09	COPIIC	COP IC Card Management
10	HOPIC	HOP IC Card Management
11	VIP	VIP Bypass
12	SCOP	Sub-COP
13	DPCOP	Disabled Person COP
14	VBS	Voice Broadcast System
15	BB	Braille Button
16	ACS	Accessibility
17	MOIH	Multi-office Intercom Host
18	CCTVC	CCTV Cable
19	ED	Emergency Doors
20	TD	Trap Doors
21	CSG	Counterweight Safety Gear
22	IOT	Elevator IOT is with the real-time inspecting function for the states of operation, malfunction, maintenance and etc, keeping track of the records for malfunction and maintenance so as to check and use if in need.
23	AI Identification monitoring	AI Identification monitoring could recognize the entering electric motor with the warning activated.

# EAGLE-7A/7B

## Machine Roomless Passenger Elevator Technical Specification

NO.	Specification	400(5P)	450(6P)	550(7P)	630(8P)		800(10P)		1050(14P)		
01	Capacity (kg)	400	450	550	630		800		1050		
02	Speed(m/s)	1.0	1.0	1.0	1.0	1.75	1.0	1.75	1.0	1.75	
03	Motor rated power(kw)	2.7	3	4.2	4.2	7.4	5.4	9.4	6.7	11.8	
04	Rated current (A)	8	9	10	10	16	13	20	16	25	
05	Starting current(A)	12	13.5	15	15	24	19.5	30	24	37.5	
06	Opertion system	Full Collective Selection Operation									
07	Driving system	VVVF Drive									
08	Door Operate System	VVVF Frequency conversion machine									
09	Traction system	Gearless									
10	Control system	CTRL80/CTRL71(Optional)									
11	Communitation	Serial communication									
12	Duplex Elevators	2 units (Optional)									
13	Group Control Elevator	3-8 units (Optional)									
14	Car 1	Car size (mm)(W*D*H)	1000*1100*2420	1000*1200*2420	1000*1300*2420	1100*1400*2420		1350*1400*2420		1500*1600*2420	
		Door size(mm) (W*H)	700*2100	700*2100	700*2100	800*2100		800*2100		900*2100	
		Single door shaft size(mm) (W*D)	1620*1450	1620*1600	1620*1650	1750*1750		1970*1750		2120*1950	
		Dual door shaft size(mm) (W*D)	1620*1610	1620*1710	1620*1810	1750*1910		1970*1910		2120*2110	
15	Car 2	Car Specification (mm)(W*D*H)	—	1400*900*2420	1400*1000*2420	1400*1100*2420		1100*1750*2420		1100*2100*2420	
		Door size(mm) (W*H)	—	800*2100	800*2100	800*2100		800*2100		800*2100	
		Shaft size(mm) (W*D)	—	2020*1300	2020*1400	2020*1550		1770*2100		1770*2450(v≤1.75m/s)	
16	Travel Height (m)	≤45	≤45	≤45	≤45	≤75	≤45	≤75	≤45	≤75	
17	Traction Machine Position	in the shaft									
18	Overhead Height (mm)	4150	4150	4150	4150	4350	4150	4350	4150	4350	
19	Pit Depth (mm)	1250	1250	1250	1250	1450	1250	1450	1250	1450	

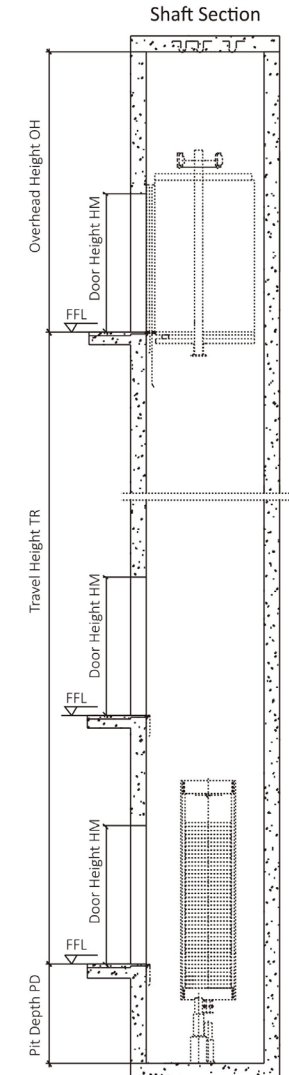
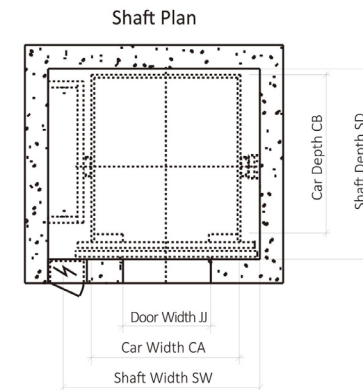
Note : 1.380V,50Hz, 3- phase 5- wire, zero wire and ground separated, grounding resistance≤4Ω

2. Car depth≥2100mm is used for specified application, such as stretcher delivery in evacuation occasions.

3. Car height is “2420mm”. It refers to the height from floor to ceiling. Car height may vary due to different types of ceilings.

4. When car in through entrance, seal plate should be added at the pit.

## Machine Roomless Passenger Elevator Shaft Diagram



# EAGLE-7A/7B

## Machine Roomless Passenger Elevator Technical Specification

NO.	Specification	450 (6P)	550(7P)	630(8P)		800(10P)		1050(14P)	
01	Capacity (kg)	450	550	630		800		1050	
02	Speed(m/s)	1.0	1.0	1.0	1.75	1.0	1.75	1.0	1.75
03	Motor rated power(kw)	3	4.2	4.2	7.4	5.4	9.4	6.7	11.8
04	Rated current (A)	9	10	10	16	13	20	16	25
05	Starting current(A)	13.5	15	15	24	19.5	30	24	37.5
06	Opertion system	Full Collective Selection Operation							
07	Driving system	VVVF Drive							
08	Door Operate System	VVVF Frequency conversion machine							
09	Traction system	gearless							
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14	Car 1	Car size (mm)(W*D*H)	1100*1100*2420	1100*1300*2420	1100*1400*2420		1350*1400*2420		1500*1600*2420
		Door size(mm) (W*H)	700*2100	700*2100	800*2100		800*2100		900*2100
		Single door shaft size(mm) (W*D)	1900*1500	1900*1650	1900*1750		2150*1750		2300*2050
		Dual door shaft size(mm) (W*D)	—	1900*1810	1900*1910		2150*1910		2300*2110
15	Car 2	Car Specification (mm)(W*D*H)	—	1300*1100*2420	1400*1100*2420		1100*1750*2420		1100*2100*2420
		Door size(mm) (W*H)	—	800*2100	800*2100		800*2100		800*2100
		Shaft size(mm) (W*D)	—	2100*1500	2200*1500		1900*2100		1900*2450
16	Travel Height (m)	≤45	≤45	≤45	≤75	≤45	≤75	≤45	≤75
17	Traction Machine Position	in the shaft							
18	Overhead Height (mm)	3900	3900	3900	4100	3900	4100	3900	4100
19	Pit Depth (mm)	1300	1300	1300	1500	1300	1500	1300	1500

Note : 1.380V,50Hz, 3- phase 5- wire, zero wire and ground separated, grounding resistance<4Ω

2. Car depth≥2100mm is used for specified application, such as stretcher delivery in evacuation occasions.

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