



Zeit Elevator CO., Ltd.

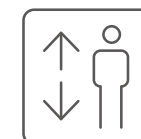
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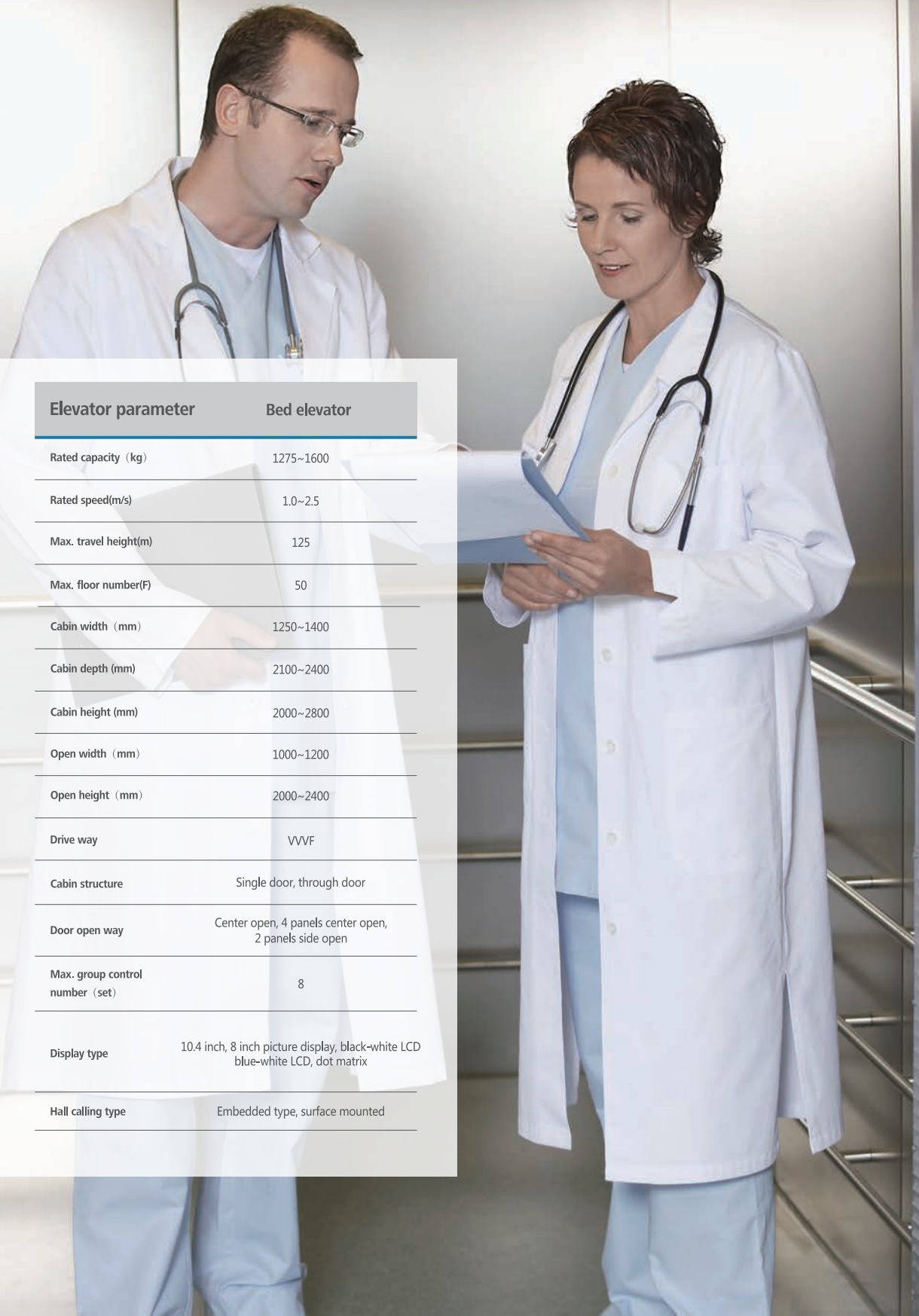
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Rev. 25_01



• **Bed Elevator**

Bed Elevator



Elevator parameter	Bed elevator
Rated capacity (kg)	1275~1600
Rated speed(m/s)	1.0~2.5
Max. travel height(m)	125
Max. floor number(F)	50
Cabin width (mm)	1250~1400
Cabin depth (mm)	2100~2400
Cabin height (mm)	2000~2800
Open width (mm)	1000~1200
Open height (mm)	2000~2400
Drive way	VVVF
Cabin structure	Single door, through door
Door open way	Center open, 4 panels center open, 2 panels side open
Max. group control number (set)	8
Display type	10.4 inch, 8 inch picture display, black-white LCD blue-white LCD, dot matrix
Hall calling type	Embedded type, surface mounted



Safety and reliability

Bed Elevator always puts safety first, to ensure all doctors, patients and passengers delivery to destination floor safely.

High performance

Bed Elevator with intelligent optimized control system, running is more stable, operation more convenient; maximum load could can reach 1600kg.

Free custom-made

We offer you prolific designs, including different car top, car panel, car floor etc. You have all directions to choose your most satisfied elevator.

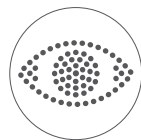
Safe and reliable

Bed elevator has a strict and unique management control system, it could not only control the running speed and send passengers to destination floor, but also keep elevator running stable and ensure safety.



Positive and negative ion sterilization device

Positive and negative ion sterilization device has function of clean air and effective sterilization, which provides passengers a high quality elevator environment.



Disability design

Braille design and dual operation panels configuration help disabled people to use elevator without any obstacle.



Car top soft lightning

Soft lightning system and air purification ventilation device help to reduce the discomfort of glare, hot, or oppressive that might happen when taking elevator.

- | | | |
|--|---|---|
| 1 Auto return when door close is interrupted | 9 Car alarm bell | 17 Reverse running protect |
| 2 Overload alarm | 10 Main control CPU self inspection protect | 18 Brake feedback detect function |
| 3 Auto return main floor when fire alarm | 11 CAN communication protect | 19 Door light curtain protect |
| 4 Overheat protect for drive machine | 12 Auto leveling when fault | 20 Overspeed protect |
| 5 Machine room emergency electric operation | 13 Leveling switch protect | 21 Encoder fault protect |
| 6 Terminal floor protect | 14 Low speed protect | 22 Power over voltage protect |
| 7 Car emergency lighting | 15 Door lock break protection in running | 23 Emergency rescue running |
| 8 Car door close time extended protect | 16 Anti-sliding protect | 24 Security floor at night |
| | | 25 Self rescue after powered off function |

Zeit Elevator offers relevant security solutions.



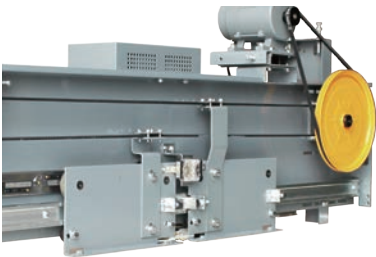
Multi beam door sensor

Multi infrared light covers the whole door height, to ensure the safety of passenger passing door area. When light beam is blocked, closing car door will rapidly open to make sure passenger can safely get in or out.

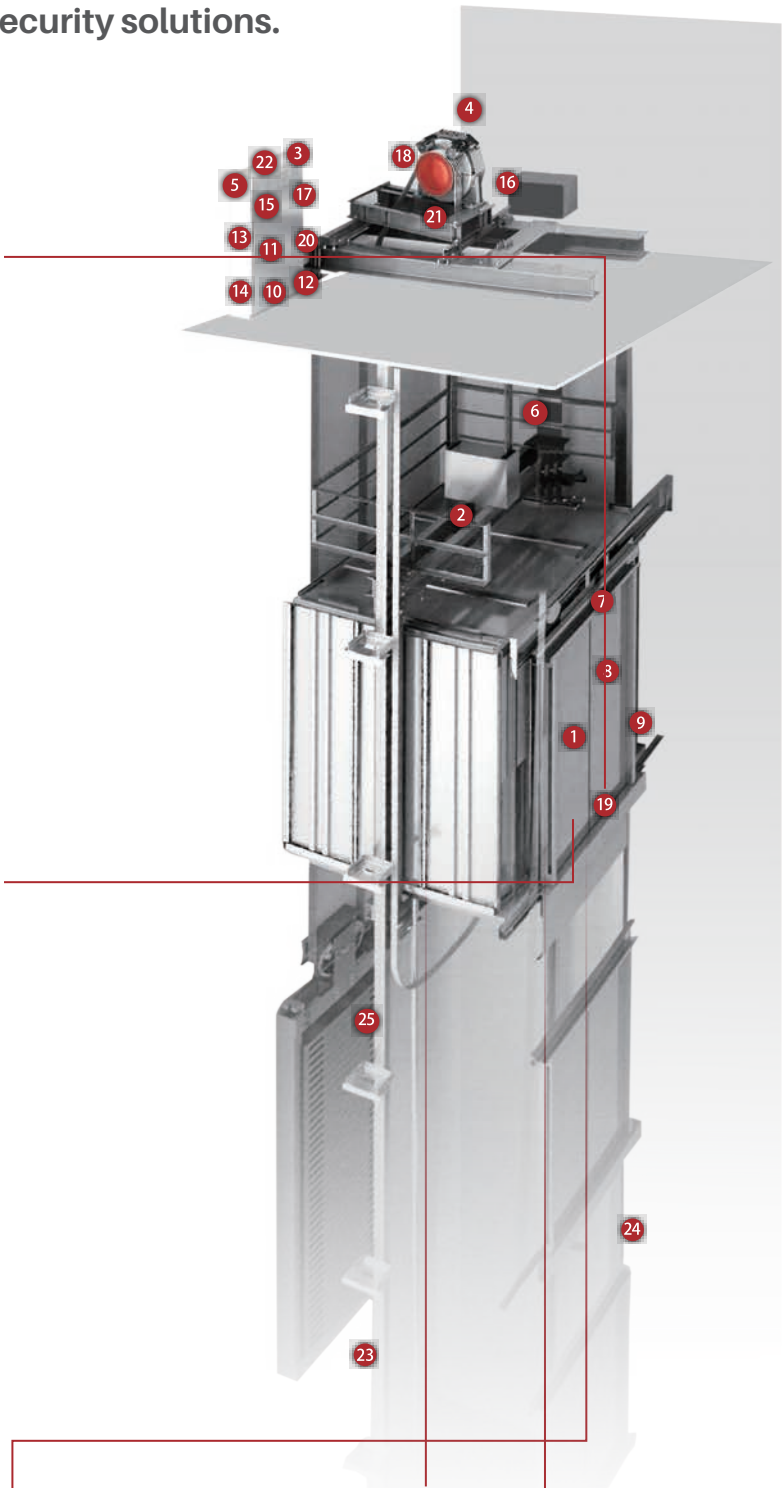


Emergency stop device

When passenger is trapped in lift by reasons like powered off, this device will automatically confirm the present condition of lift, and make lift to stop at nearest floor through battery. Adjacent floor distance is required to be less than 10m.



Permanent magnet synchronous door operator



Floor skidproof, durable



Car arrival gong

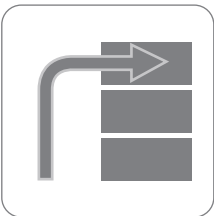
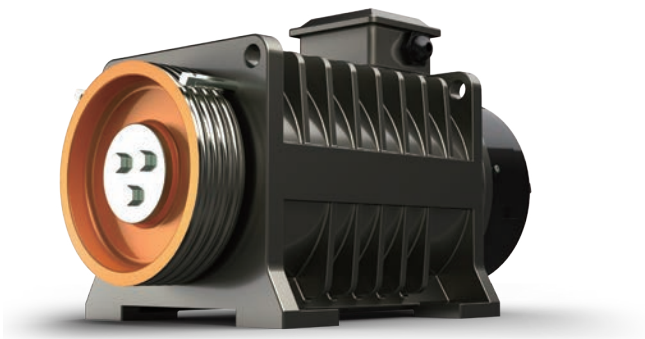
High performance

Ideal drive and advanced technology in bed elevator not only improve space utilization, but also reduce energy consumption, which keeps elevator running more efficient.



Permanent magnet synchronous machine

The control system of permanent magnet synchronous machine is more reliable, it combines technologies of coaxial drive, digital frequency conversion and computer group control together to reduce running cost but increase system efficiency, meanwhile reduce energy cost and save space, make the operation more economical.



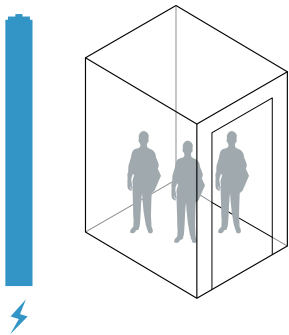
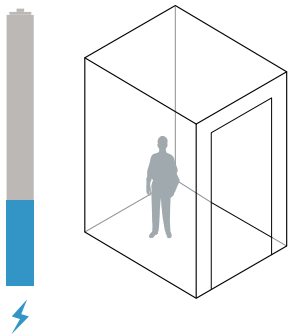
Non-stop function

In emergency cases, the non-stop function could assist hospital staff and patients to directly arrive at the destination floor, to save time and life.



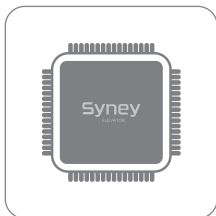
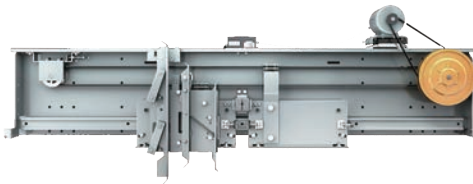
Clean drive technology

High efficiency energy regeneration technology makes bed elevator consumed energy about 30% less than similar elevators. It can feedback energy to the power grid even through the energy conversion between the dynamic potential energy and the electricity energy.



VVVF door operator

Use VVVF technology drive system, with high reliability and low failure rate.



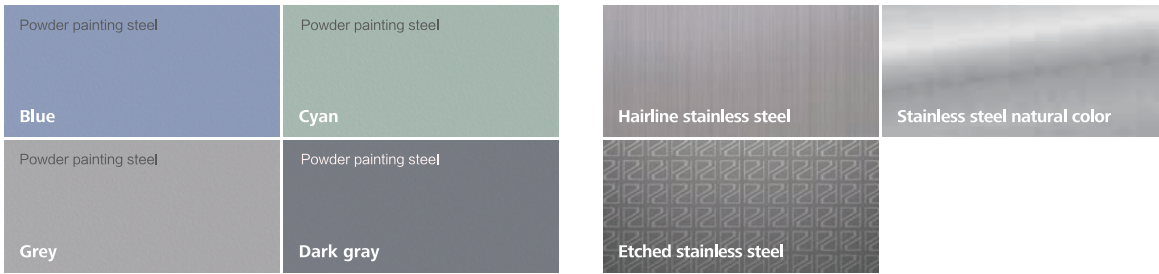
Highly integrated intelligent control system

This system could effectively improve the efficiency of the elevator deployment, through the traffic flow database which stored in system, it could make a logical and qualitative judgments, to increase the elevator running efficiency and shorten the waiting time of passengers, which ensures serious ill patients could reach their destination floor as soon as possible, save more treatment time.

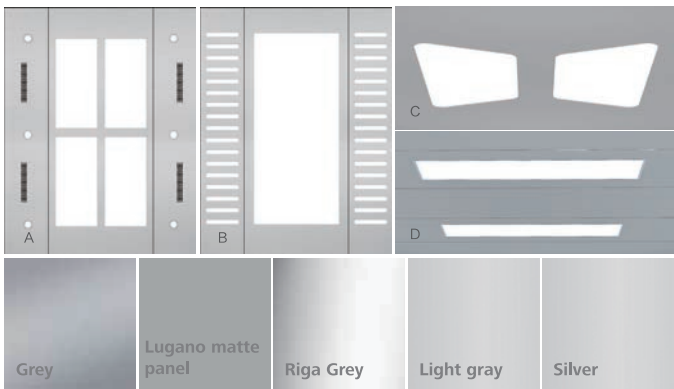
Free custom-made

You can choose your favorite style from our design, or you can choose your style in aspect of color, material, light, handrail, and fixed device.

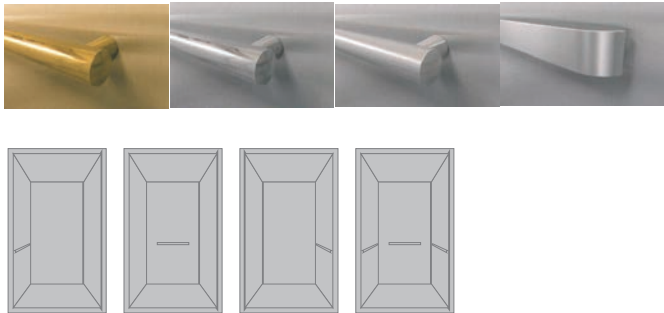
Cabin wall color/ material options



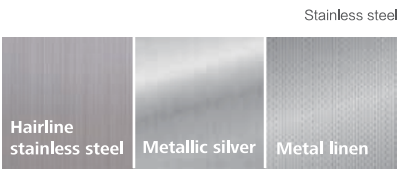
Car top design and material options



Handrail and position



Elevator door frame/door



Floor material



Car operation panel



- A
Hairline stainless steel
- B
Titanium black stainless steel
- C
Stainless steel natural color

Indicator

8-inch/10.4-inch



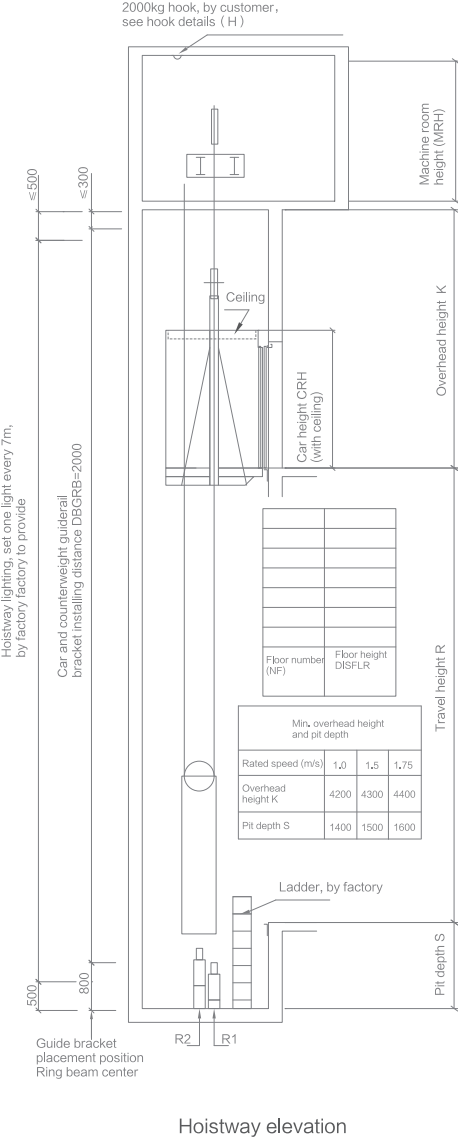
Calling box

- A
Dot matrix
Dual screen
Dual direction
- B
Dot matrix
Single screen
Dual direction
- C
Black and white
LCD / Single screen
Single direction
- D
Full color LCD
Single screen
Single direction

Note:
Color, material and patterns in this brochure are only for reference. Product options shall be subject to the actual contract. Please contact our sales for latest news.

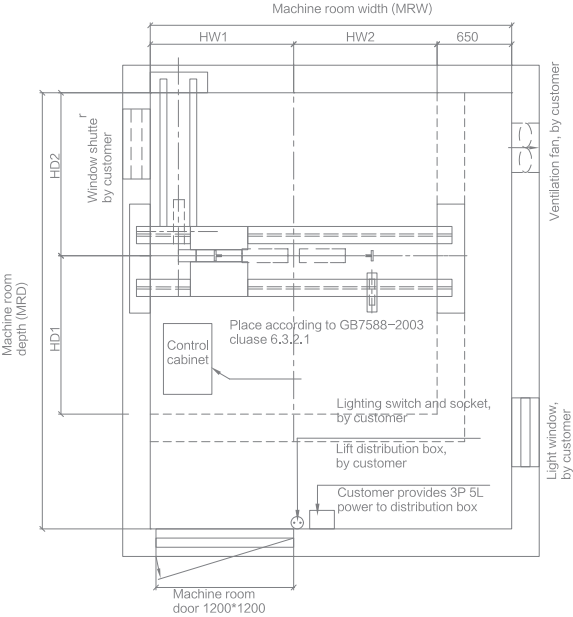


Bed Elevator

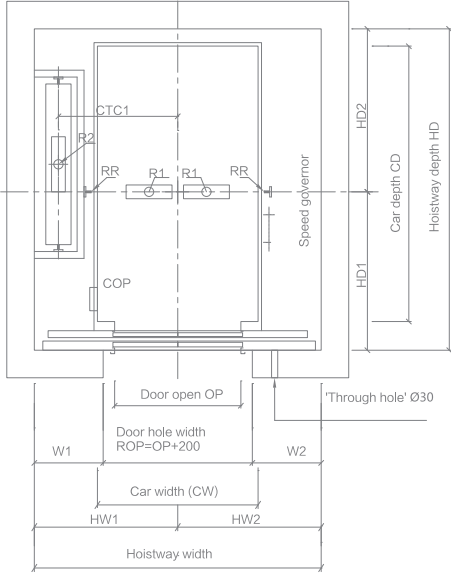


Hoistway elevation

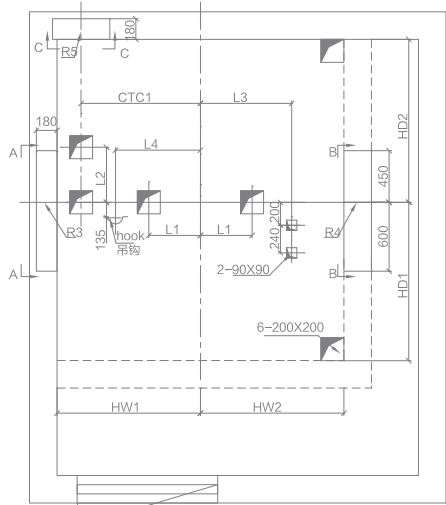
Note: this drawing is not made in scale, above parameter is only for reference. Construction refers to confirmed contract!



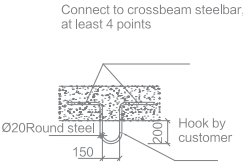
Machine room plan



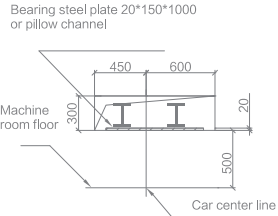
Hoistway plan



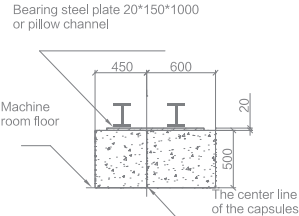
Machine room with reserved holes



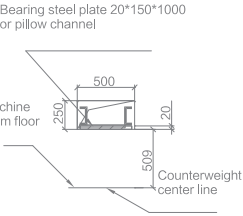
Hook details(H)



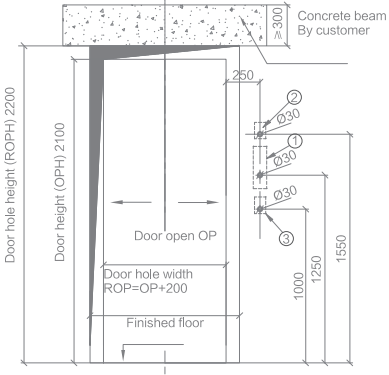
A-A bearing hole



B-B bearing block



C-C bearing hole



Landing door (for all floors)

- ① Button and display
- ② Fireman' s switch (if with fire function) , only for main floor
- ③ Main floor switch (if bottom or top floor is main floor, without this hole)
- ④ Recommend user to adopt PVC pipe with inside diameter Ø30mm to reserve for calling wire through hole

B2102: 1350~1600 1.0m/s~1.75m/s

Capacity	Speed	Car size (mm)	Open size (mm)	Hoistway size (mm)	Machine room size (mm)	Pit depth S	Overhead height K
kg	(m/s)	CW × CD × CRH	OP × OPH	HW × HD	MRW × MRD × MRH	(mm)	(mm)
1350	1.0	1300 × 2300 × 2500	1000 × 2100	2300 × 2700	2950 × 3700 × 2800	1500	4500
	1.5					1600	4600
	1.75					1700	4700
1600	1.0	1400 × 2400 × 2500	1100 × 2100	2500 × 2800	3150 × 3800 × 2800	1500	4500
	1.5					1600	4600
	1.75					1700	4700

Capacity	Other position size (mm)											Supprting force (kN)						
kg	W1	W2	HW1	HW2	HD1	HD2	CTC1	L1	L2	L3	L4	R1	R2	R3	R4	R5	RR	
1350	600	500	1200	1100	1330	1370	990	260	260	745	560	72	112	82	73	17.5	41	
1600	600	600	1250	1250	1380	1420	1040	450	480	795	700	78	124	91	84	19.3	51.5	

Above hospital elevator size meets the requireent of using hospital bed 900*2000 in GB/T 7025.1—2008. Door open is center opening. Special cabin, door open way, through doors and other not listed capacity, please consult our factory.