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**GOTS**

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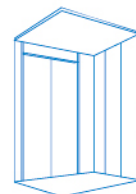
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# HOSPITAL ELEVATOR

XIZIXIAO ELEVATOR CO., LTD



# Bearing More Smoothly

## Specifically Designed For Hospitals Medical Elevator

Due to the complex traffic flow in modern medical buildings, as an important means of transportation in the buildings, elevators serve to transport passengers and a variety of medical devices safely and smoothly. Following its mature and reliable passenger and freight elevators, Xizi Xiao has now offered high-quality medical elevator solutions especially hospitals where the requirements for transportation are demanding. After careful and meticulous consideration of the hospital environment and the characteristics of people flow, Xizi Xiao provides hospital elevators of the following features:

### Quiet running

Even wards next to the hoistway are free of noise.

### Smooth transportation

Accurate leveling facilitates sickbeds, wheelchairs and passengers going in or out of the elevator.

### Clean environment

The car walls and floor are made of easy-cleaning and durable materials.

### Priority/emergency call

In case of emergencies, the elevator will prioritize your emergency call.

### Subdued lighting

The subdued lighting helps to release stress and offers comfort.

### Unique car design

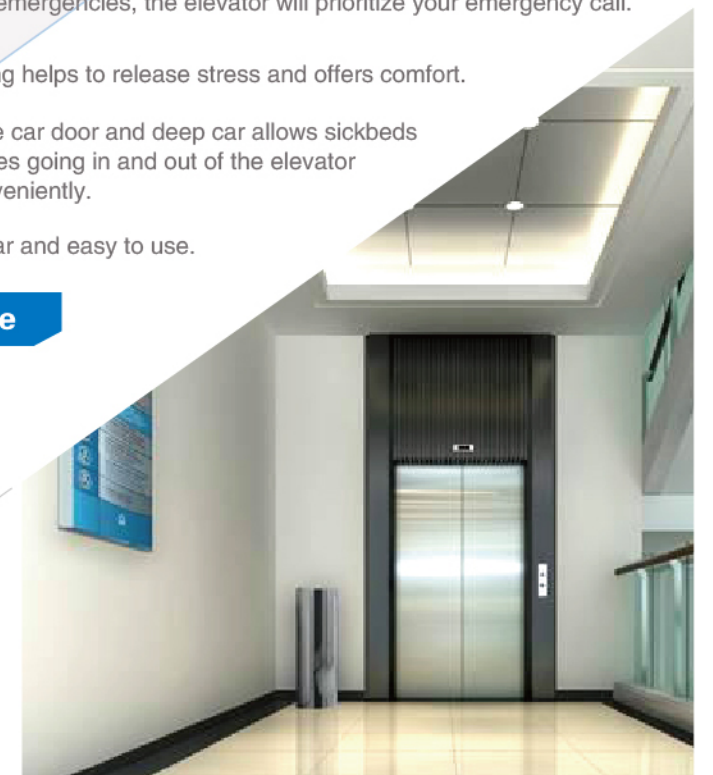
The design of wide car door and deep car allows sickbeds and medical devices going in and out of the elevator smoothly and conveniently.

### Clear signal device

The device is clear and easy to use.

### Eco-friendliness and cost effective

The elevator is free of electromagnetic interference, which is safe and eco-friendly; meanwhile, it also save energy and maintenance costs, maximizing the return on investment in the elevator.





# Cabin Configuration

The elegant car perfectly integrates with the simple and streamlined ceiling, creating a quiet space. The careful design, together with cutting-edge technologies to ensure the high quality of Xizi Xiao hospital elevators.



- Ceiling: TS-D01 mirror polished stainless steel and acrylic light fixture
- Car wall: Streak-pattern stainless steel
- Car floor: TS-B01 2mm-thick PVC mosaic marbled floor
- Handrail: TS-F07 6mm short grain stainless steel, and circular ends



# Control Panel Outbound System



Optional buttons



Operation box for the handicapped (optional series)



Elevator LCD video player



Product features:

- ★ Flexible display interface allowing modification and customization
- ★ Industry-grade super-low power consumption, embedded design, integrated structure, and high stability
- ★ Industry-grade color TFT LCD
- ★ Direct connection to serial signals of major elevator manufacturers without conversion board
- ★ Playing real-time network streaming media, VCD, DVD, and TV programs
- ★ Flexible installation, horizontal or vertical



Integral COP (optional)  
10.4-inch LCD display



Standard COP  
7-inch LCD display



Parallel call panel



TS-W01 Integrated call and fire fighting panel at the first-floor base station (embedded)



Acousto-optic floor indicator



TS-W09 optional (wall mounted optional)



Base station fire fighting panel (wall mounted)



Lock panel (wall mounted)



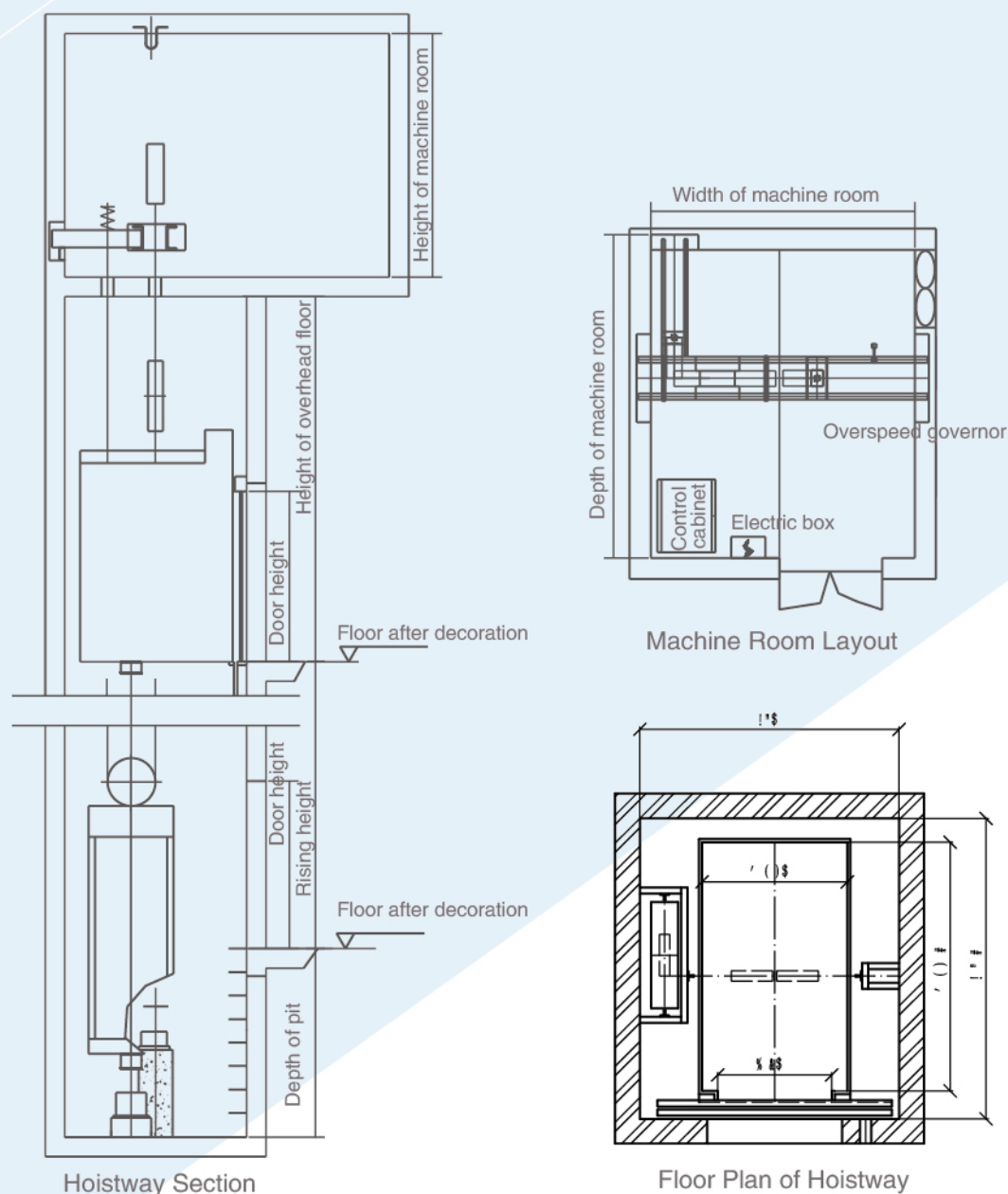
TS-W05 optional (wall mounted optional)



TS-W04 optional (wall mounted optional)



# Standard Construction Sketch



Model	Rated capacity	Rated speed	Passenger number	Car dimension (mm)	Door opening size (mm)	Door opening method	Standard hoistway dimension (mm)	Standard machine room dimension (mm)	Height of overhead floor (mm)	Depth of pit (mm)
	(kg)	(m/s)	人	WxDxH	WxD		WxD	WxDxH	Min.	Min.
TKB1600 1.0-JXW	1600	1.0	21	1400x2400x2500	1100x2100	Center opening door	2500x2900	2500x2900x2700	4300	1500
TKB1600 1.5-JXW	1600	1.5	21	1400x2400x2500	1100x2100	Center opening door	2500x2900	2500x2900x2700	4400	1500
TKB1600 1.75-JXW	1600	1.75	21	1400x2400x2500	1100x2100	Center opening door	2500x2900	2500x2900x2700	4500	1600
TKB1600 2.0-JXW	1600	2.0	21	1400x2400x2500	1100x2100	Center opening door	2500x2900	2500x2900x2700	4600	1700
TKB1600 2.5-JXW	1600	2.5	21	1400x2400x2500	1100x2100	Center opening door	2500x2900	2500x2900x2700	4700	1800

# Tkb List Of Medical Elevator Function

## Running

- Full collective control**  
On the basis of the signal control, collect all the call signals and respond selectively.
- Direct running when fully loaded**  
When fully loaded, the car does not respond to external call signal and only implement the one inside.
- Automatic returning to base station**  
When the car is running, the opposite floor signal sent through the COP will be automatically canceled.
- Canceling the wrong instruction**  
If the elevator is not running, you can double click the call button of a certain floor to cancel the sent signal.
- Automatic learning of distance between floors**  
The system can automatically record the height of each floor so as to precisely control the distance of elevator running.
- Elevator lock switch**  
After the elevator lock switch is turned on, the system will no longer responds to any calls and automatically return to the base station after responding to all the instructions sent from the car.
- Door open and door close buttons**  
Micro-buttons controlling door open and door close are installed on the COP, allowing passengers to control the time to open and close the door flexibly.
- Separate control of door open time in the hall and car**  
The system can set different door open waiting time responding to calls from outside and inside the car if required.
- Automatic correcting running**  
When the elevator is out of position, the elevator will automatically find the correct position.
- Canceling door close waiting time**  
By pressing button inside the car, the car door will be immediately closed.
- Reopening the door in the hall of a floor**  
When the elevator stops at a floor, you can press the call button indicating the running direction of the elevator to reopen the door.
- Torque compensation without weighing**  
When the elevator starts, no additional weighing switch is needed, the system will automatically carry out torque compensation based on the weight of the car, so as to guarantee comfort at the start (the function not available for the speed of 2.5/s).

## Safety

- End station protection**  
When the elevator arrives at the top floor but its speed has not been reduced to the speed set in the system, the protection device will force it to slow down to ensure safety.
- Automatic diagnosis of failure**  
The system can automatically diagnose and record the signal of failure of the elevator, and use special tools for quick troubleshooting.
- Motor overheating protection**  
If the temperature of motor exceeds the limit, the elevator will enter the standby mode after finishing the current running, and automatically resume operation when the temperature drops to normal range.
- Door closing torque protection**  
If mechanical jam occurs when the car door closes, with the torque exceeding the predetermined value, the car door will reopen.
- Abnormal speed detection**  
Through comparing the feedback signals of the encoder and the speed set in the system, the system can control the running speed of the elevator. Once the difference between the two exceeds the allowed range, the system will enter the protection mode, stopping the elevator from running.
- Detection of contactor abnormality**  
The system monitors the main contactor and the brake contactor based on the command status of the contactors. In case of detecting any abnormality, the system will enter the protection mode, stopping the elevator from running.
- Light curtain door protection**  
The system can form dense cross-infrared light curtains at the entrance of the elevator, quickly responding to any person or object entering the detection area, so as to provide the maximum degree of security for passengers.
- Five-party interphone**  
The car, car bottom, car ceiling, machine room and monitor room form an interphone system.



**Alarm in the car**

In case of emergencies, passengers can press the alarm button on the COP to seek help.

**Overload alarm**

When the weight of passengers inside the elevator exceeds rated capacity, the buzzer will send out an alarm signal to remind the passengers to leave the car and cancel the instructions sent from the car.

**Delayed protection of car door opening and closing**

If the door opening time exceeds the preset value due to the call button being pressed or any other factors, the door will be forced to be closed to respond to other signals; if the door is still not forced to be closed at several attempts, the elevator will be shut down, close the door and cancel all call signals, and will not resume to operation until detecting the door has been properly closed.

**Detection of brake abnormality**

When the system sends out a command of running but detects that the brake is not opened, or the system does not send out a command of running, but detects that the brake is opened, the elevator will be protected and stopped from running.

## Emergency Devices

**Machine-room emergency electrical running**

There is machine-room emergency electrical running devices inside the control cabinet. In case of emergencies, professionals can operate the elevator in the machine room.

**Emergency lighting in the car**

Inside the car there should be equipped with emergency lighting.

## Energy-saving Features

**Automatic control of lighting and fan in the car**

If there is no call signal within the set time, the lighting devices and fan inside the car will be automatically shut down to save energy.

**Energy-efficient display**

If there is no call signal after a long time, the display will automatically enter energy-saving mode.

## Human-Machine Interface

**Car arrival chime**

When the elevator arrives at a station, the car arrival chime will ring to remind passengers that the elevator has arrived.

**Directional indicator in the hall and the car**

When the elevator is running, the running direction will be displayed on the the call panel and displayer in the car.

**LCDs in the car and the hall**

CColor COP and LCDs for calls display information on floors and the running direction of the elevator.

**Customized floor display settings**

The floor display information can be customized based on the customers' needs, which may include any two characters, one from 0 to 9, the other A to Z (please be noted that 0 can not be distinguished from O, 2 from Z, 5 from S, and 8 from B).

## Special Running

**Anti-trouble-making**

The system will compare the car load against the instruction, and will automatically cancel the signals inside the car if there is only a few passengers but too many instructions.

**Automatic parking**

Based on the results of integrating the information on all floors, the elevators will be automatically parked on different floors, improving the working efficiency.

**Switch for canceling the call from the hall**

There is a switch on the mainboard. So the call instructions will be canceled simply by dialing, making it convenient for debugging and maintenance.

**Static positioning**

When installing the elevator, there is no need to disengage the steel wire rope from the motor to position the motor at a certain angle, hence easy installation.

**Car ceiling inspection and repair**

There is an inspection and repair switch on the car ceiling facilitating safe and fast maintenance, inspection and repair.

## Maintenance Services

For either a separate building or a large general hospital, Xizi Xiao will provide the most completed and flexible elevator service solution that perfectly matches the operating environment, characteristics of people flow and the equipment. Xizi Xiao is fully aware of the particularity of hospitals, targeted at which we have carefully worked out maintenance plans to ensure that the equipment is always in its best condition and to maximize the transportation efficiency. In any case, our uniform global standards and technologies and quality professional services will guarantee safety and smooth operation of the elevators.



## Customer Service Center

Whenever you are in need of help, the professionals at Xizi Xiao's customer service center will be always be there for you. We have the most advanced communications network, so the technicians can conduct quick diagnosis of the problems of equipment and on-site troubleshooting.

## Service Network

Our national service network consists of more than 30 branches and more than 100 service outlets. Therefore wherever you are, we are by your side. In addition to professional technical personnel, our branches all have a stable and mature logistics system for technical support and spare parts supply.



## Accurate Intelligence D

Our technical staff is the expert on maintenance, and can provide the best preventive maintenance services for equipment of different models and specifications. In addition, they can quickly diagnose the problems of equipment and offer solution to them once and for all.

In short, Xizi Xiao will guarantee that the elevators are always in its best condition during the whole service life.