

500 条物电梯 SERVICE LIFT & DUMBWAITER



标准型 - 杂物电梯

Service lift - Standard form

标准配置:

- 1. 控制系统选用 PLC 控制、微机控制、串行通讯、变频调速(选配)。
- 2. 配置杂物电梯专用曳引机。
- 3. 引进意大利技术的特制专用门滑道。
- 4. 机电一体化厅门锁的换代升级——主、副双重锁紧装置(原装进口)配合电动锁紧系统更安全更可靠。
- 5. 层门、门套与层门装置等所有组件均组装调试后整体出厂, 轿门(选配)及门系统等所有组件也均组装 调试后整体出厂。
- 6. 配置杂物电梯专用防水、防油按钮及数码显示呼梯盒。
- 7. 电梯钢架均采用高防腐的热镀锌板一次成型的型材结构,在防腐蚀的同时也增加了电梯的结构强度, 安装更省时、更方便。
- 8. 配置杂物电梯专用导轨——冷拔 T 型实心轨。
- 9. 开门方式为电动开锁手动上下直分门。

完善与提高:

- 门机系统的换代升级再配合组装调试后整体出厂的层门系统,不但提高了安装质量,同时也降低电梯故障发生。
- 2. 呼梯盒按钮和数显的防水、防油功能更加配合了杂物电梯及餐梯的特殊工作环境要求。

Standard Configuration:

- 1. The control system adopts PLC control, PC control, serial communication and frequency control (Optional).
- 2. Equipped with service lift-use traction machine.
- 3. Special door slide technology introduced from Italy.
- 4. New generation of electromechanical integrated hall door lock—master/slave double lock (imported) together with electric locking system is more safe and reliable.
- 5. All door system components, such as landing door, jamb and landing door device, are assembled tested in factory before delivered as a complete system, as well as the car door (optional) and door system.
- 6. Equipped with service lift-use water- and oil-proofing buttons and digital calling board.
- 7. Elevator steel frame is made of high corrosion-resistant hot-dip galvanized sheet of one-step forming structure, which increases the structural strength of the elevator in addition to anti-corrosion, and is easier and more convenient for installation.
- 8. Equipped with service lift-use rail cold-drawn T-type solid rail.
- 9. Door opening method: electric unlocking and manual up / down bi-parting door.

Perfectness & Improvement:

- New generation of door-motor system together with wholly delivered landing door system after factory assembling and testing ensures high installation quality and less failures.
- 2. Water- and oil-proof buttons and digital calling board is more suitable for special working environment of service lift and dumbwaiter lift.



旁开折叠门·杂物电梯

Service lift - Side opening folding door

突出特点:

- 1. 采用德国原装进口双重电气联锁装置(即主副双锁控制)具有锁紧和检测双重功能。
- 2. 电动锁紧门机系统取代了传统门刀开锁控制,避免了电梯运行中轿厢刮碰门刀的问题。
- 3. 铝合金地坎的应用, 彻底解决了手推车进出轿厢过程中车轮压下门导致变形的严重问题。

突出优点:

- 1. 厅门为双扇折叠式开门, 占用空间小。
- 2. 地坑深度 > 500mm 即可。
- 3. 此种开门方式对楼层高度没有要求和限制。
- 4. 主、副双重电气联锁装置配合电动锁紧系统更安全更可靠。
- 5. 层门、门套与层门装置等所有门系统部件均在厂内组装调试后整体出厂,现场安装时只需简单调试,提高了安装质量和安装速度。
- 6. 外开锁装置的设置对停电故障的应急使用非常方便。

标配轿门:

开门方式:厅门采用双扇折叠旁开式

轿门为上拉式护拦门

适用范围: 落地式 (推车式)

Features:

- Adopt the double electric interlock device (namely, the master/slave double lock control) imported from Germany, with locking and detection capacity.
- The electric locking door-motor system replaces traditional door vane unlocking control, avoiding the car from scraping with door vane during the running of elevator.
- 3. The application of aluminum alloy sill completely solves the serious problem of deformation of the door caused by the pressing of the wheel of trolley when it entering / exiting the car.

Advantages:

- 1.Double folding door is adopted for hall door, which occupies little space.
- 2.Pit depth: ≥500mm.
- 3. The door is opened independent of floor height.
- 4.Master/slave double lock electric interlock device together with electric locking system is more safe and reliable.
- 5.All door system components, such as landing door, jamb and landing door device, are assembled and tested in factory before delivered as a complete system, so only simple debugging is needed for site installation, ensuring the fast and high quality installation.
- 6. The setting of external unlocking device is very convenient for emergent operation in case of power failure.

Standard car door:

Door opening mode: Double folding side opening type for hall door

Upper-pulling guard type for car door

Application scope: Floor type (Trolley type)



90°转角·杂物电梯

Service lift-90 ° turning angle

TW01-Z:

开门方向: 90° 转角开门

开门方式: 电动开锁、手动上下直分门

轿门: 90° 转角梯需配置轿门

适用范围:窗口式、落地式土建结构特殊

注: 其他均为标准配置功能

机电一体化厅门锁的换代升级

a. 主副双重锁紧装置配合电动锁紧系统更安全更可靠。

- b. 升级后的门锁具有双重啮合结构,保证只有在机械锁啮合后电气联锁方可闭合,完善并提高了电梯运行的安全可靠性。
- c. 电动开锁装置的应用,保证了只有电梯到达目的层时才能由系统控制电动联锁打开,有效 防止在中间层随意开门的情况(避免用户使用中出现失误),进一步提高了电梯运行安全 系数。

厅、轿门止动装置功能

(专利号: 200420030332.6)

门保护系统

机械电气一体化门锁功能 (专利号: 200420030333.0)

TW01-Z:

Door opening direction: 90° turning angle

Opening method: Electrically unlocking, manual up / down bi-parting door Car door: Car door is necessary for service lift of 90° turning angle Application scope: Window type, floor type special civil structure

Note: Others are all standard configurations

New generation of electromechanical integrated hall door lock

- a. Master/slave double lock device together with electric locking system is more safe and reliable.
- b. The upgraded door lock bears double engagement mechanism, and the electric interlock can only close after the mechanical lock is engaged, which improves the safe and reliable running of elevator.
- c. The application of electric unlocking device and the elevator can only be opened by the electric interlock after it reaches the destination floor, which effectively avoids unintended opening of door at intermediate floor (wrong operation by the user) and enhances the safe and reliable running of elevator.

Hall / car door stopper function (Patent No:200420030332.6)

Door protection system

Electromechanical integrated door lock (Patent No:200420030333.0)



自动门·杂物电梯

Service lift-Automatic door

突出特点:

- 1. 独特的门刀(专利设计)不受平层精度影响,平层范围 ±30mm 内均可自如开关门。
- 2. 门机与轿门为齿条传动(专利设计)并配有涨紧装置,结构简单合理。
- 3. 红外线光幕的选配进一步加强了电梯门的安全可靠性。

突出优点:

- 1. 关门脱刀装置使之开、关门时在不同点脱刀,解决了轿门与层门对不齐的问题。
- 2. 设有外开锁装置,在停电故障时,简便操作即可取出货物。
- 3. 整体式电动锁紧门机系统, 现场不需调试, 安装简单方便大大提高了安装质量和速度。

TZ-01:

开门方向: 自动上下中分门

适用范围: 载重量≤ 200kg、窗口式杂物电梯、交流单速、变频调速均可采用。

Features:

- Unique door vane (patented design) is not affected by car level accuracy, so the door is able to open smoothly within the leveling range of ± 30mm.
- Door-motor and car door is driven via gear (patent design) and equipped with tightening device; the structure is simple and reasonable.
- 3. The selective assembly of infrared curtain enhances the safety and reliably of lift door.

Advantages:

- 1. Door vane detacher ensures cam detaching at different points during door opening / closing, as well as the alignment of car door and landing door.
- The adoption of external unlocking device is benefit for getting out the inside goods with simple operation in case of power failure.
- The site debugging-free integrated electrically locking door-motor system is easy and convenient for installation, which greatly improves the installation quality and speed.

TZ-01:

Door opening direction: Automatic up / down centre-opening door

Application scope: Load ≤200kg, window type service lift, both AC single speed and frequency control.



高层环保·杂物电梯

Service lift - High-rise building environment-friendly

人性化的设计满足了人们快节奏生活的需求。高层环保垃圾杂物电梯 在高档住宅小区的推广和应用更加提升人们的生活品质。 高层环保杂物电梯对于医院宾馆的配套服务也起到了非常重要的作用。

特点:

- 1. 配备光幕报警系统及光电限高装置。
- 2. 垃圾集液和倾倒方式的特殊设计。
- 3. 增加了密封功能和防水防油系统,可以起到双重保护作用。

开门方式:

1. 标配: 手动上下中分门

2. 选配: 主控层门自动上下中分门

要求: 载重量≤ 200kg; 窗口式、落地式

Friendly design satisfies the fast living pace requirement of people. The promotion and application of high-rise building environmental service lift in high-end residences upgrade the life quality of people.

High-rise building environmental service lift also makes a very important role for affiliated service in hospital and hotel.

Features:

- 1. Equipped with infrared curtain alarm system and optoelectronic height fixing equipment.
- 2. Special design of rubbish liquid collection and dumping method.
- 3. Adding of sealing function and water- and oil-proof system, with double protection function.

Door opening method:

- 1. Standard: Manual up / down bi-parting door.
- 2. Optional: Automatic up / down bi-parting door of main control landing door.

Requirement: load ≤ 200kg; window type, floor type



控制系统功能

Control system function

呼梯部分

呼梯盒按钮和显示板的防水、防油功能专为杂物电梯及餐梯的特殊工作环境设计

优美悦耳的到站提示功能到站钟的配备更显人性化

电锁功能

基站呼梯盒配备电锁,用于启动和关闭电梯的控制回路

呼梯应答功能

按下呼梯按钮,被呼楼层按钮数字指示灯亮,到站后撤消记忆,指示灯灭

控制部分

故障显示功能

将诊断后的故障以代码形式显示

接触器粘连保护功能

如接触器线圈失电后接点未能断开时, 防止再次运行以保障安全

开关门状态指示功能

电梯运行到站后开启层门,数码显示开门状态并提示此梯在本层使用

运行障碍保护功能

当超出正常运行时间 10 秒内电梯停止运行以防烧坏电机

运行方向显示功能

运行方向由上下行发光箭头显示

门机部分

层门装置配置主副双重锁紧功能同时具有锁紧检测双重功能

电动锁紧门机系统功能

避免电梯运行中刮碰门刀的问题,提高了电梯的安全可靠性

厅门门机系统电动开锁功能

电梯运行每停靠一层,操作本层开门按钮电动开锁

电梯结构

100kg-300kg 杂物电梯整体为框架结构,无需机房,有无井道均可

Calling landing section

Water- and oil-proof calling board and digital display panel Specially designed for working environment of service lift and dumbwaiter lift

Sweet arrival prompt

Friendly arrival bell

Electrically locking function

The station calling board is equipped with electric lock for opening / closing the control circuit of lift.

Calling response function

After pressing the calling button, the digital button LED for the called floor will light up. And the memory will be canceled and the LED will be off after arrival.

Control section

Fault display function

Display the diagnosed fault via corresponding code.

Contactor adhesion protection function

If the contactor coil fails to break after power loss, then prevent it from rerunning for safety purpose.

Door opening / closing indication function

The landing door opens after the lift reaches the floor, and the status is displayed in digital to prompt the lift is operating in the current floor.

Running fault protection function

The lift stops after exceeding normal running time for 10 seconds to avoid burning of motor.

Running direction display function

The running direction is displayed via Up/Down flashing arrow.

Door-motor section

Equipped master/slave double lock function for landing door device as well as locking detection function.

Electric locking door-motor system function

Avoid contact of door vane during operating, thus to improve the safety and reliable of lift.

Electric unlocking of hall door via door-motor system

Push the opening button for each floor to unlock electrically after the lift reaches the floor.

Lift structure

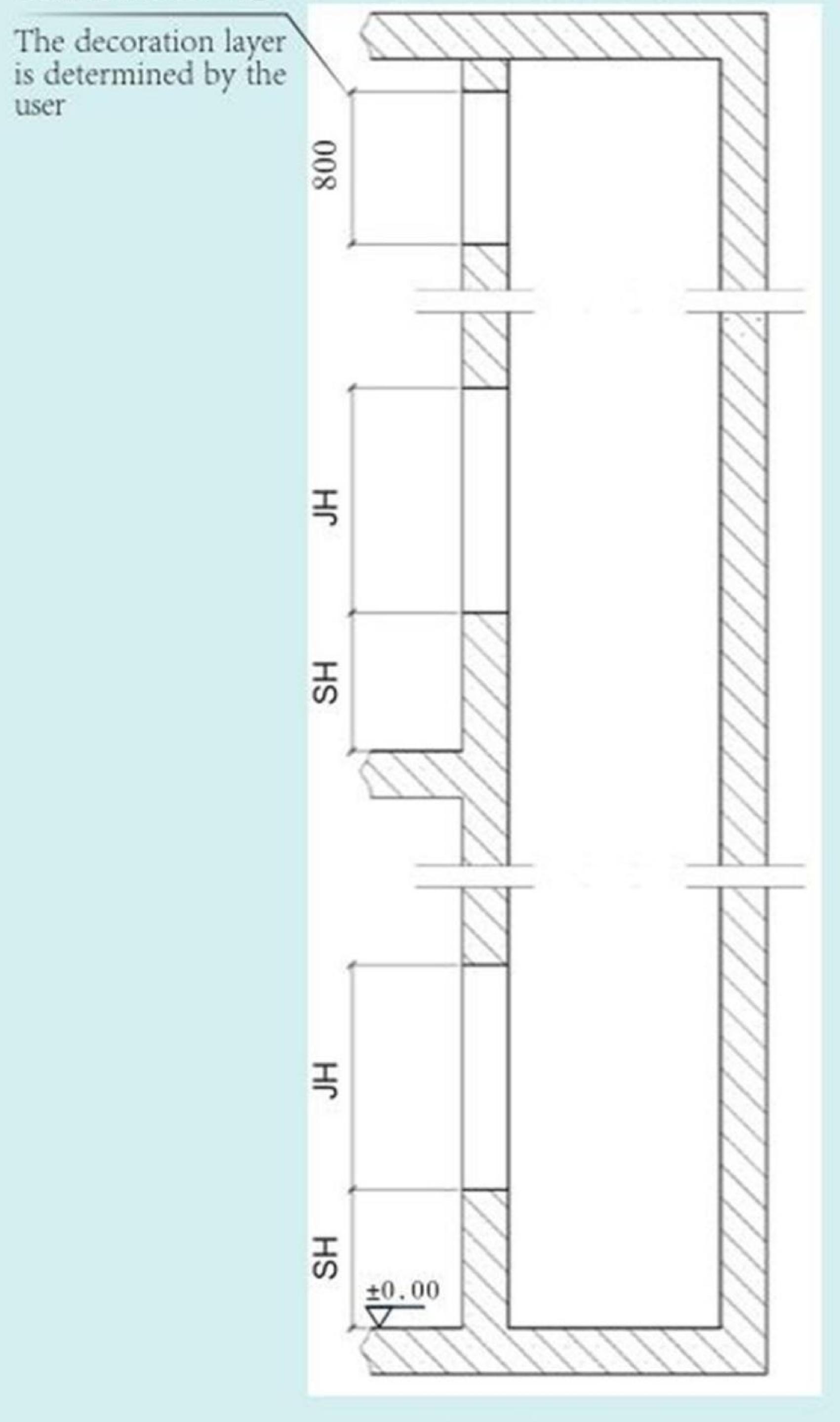
The service lift with capacity of 100kg-300kg is of frame structure, machine room or well is not required.

杂物电梯土建参数

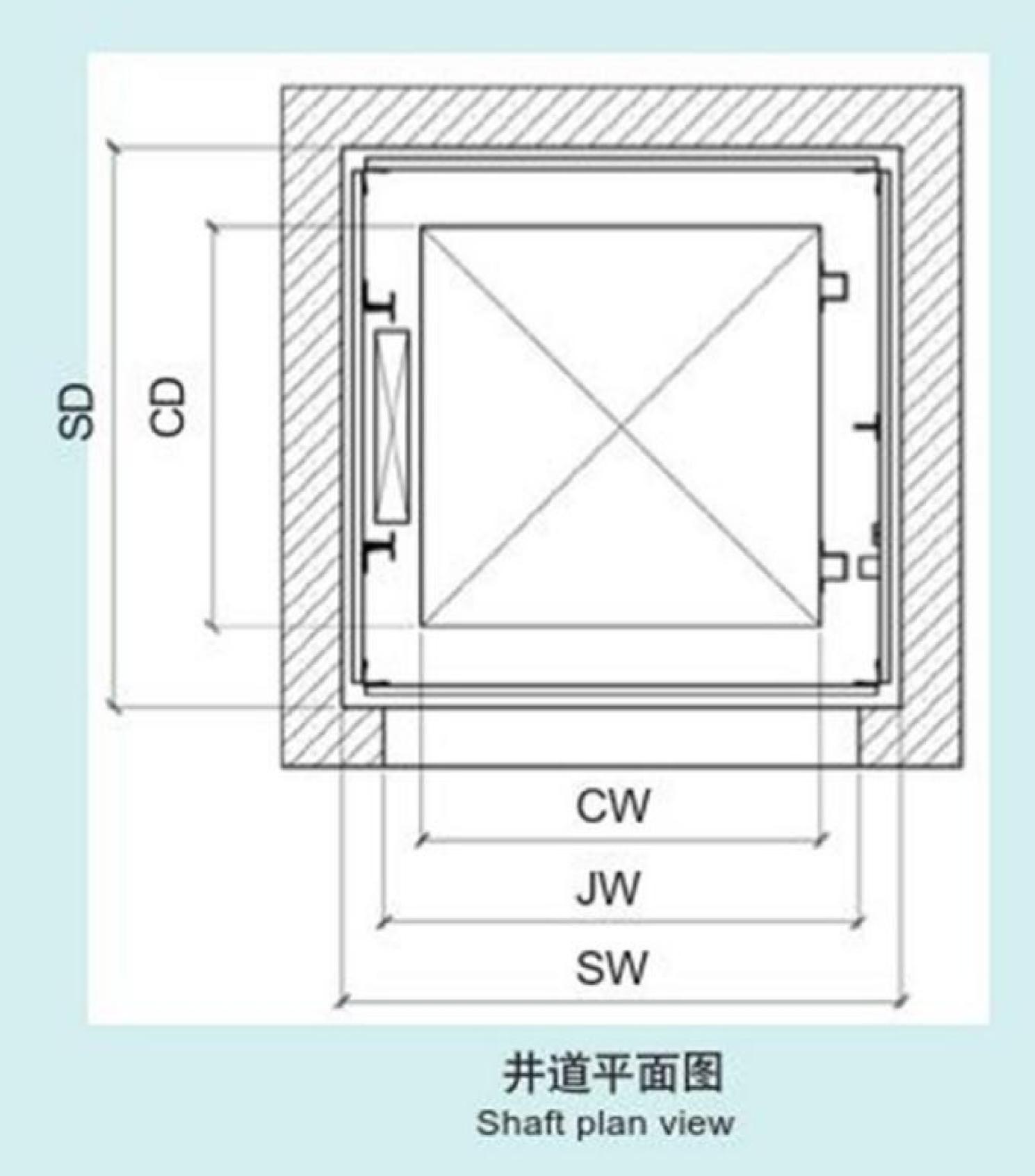
Sundries elevator construction parameters

装饰层由用户定

user



井道立面图 (窗口式) Shaft elevation view (Window type)



- *用户负责提供三相 380V、50Hz、10A 电源。
- *井道地面承载≥ 15000N/m²。
- *参数表中尺寸单位均为 mm。
- * The user shall present 3-phase 380V, 50Hz, 10A power supply.
- * Load of shaft ground: ≥ 15000N/m².
- * All sizes in the parameters sheet ars in mm.

窗口式(开门方式:上下直分门)

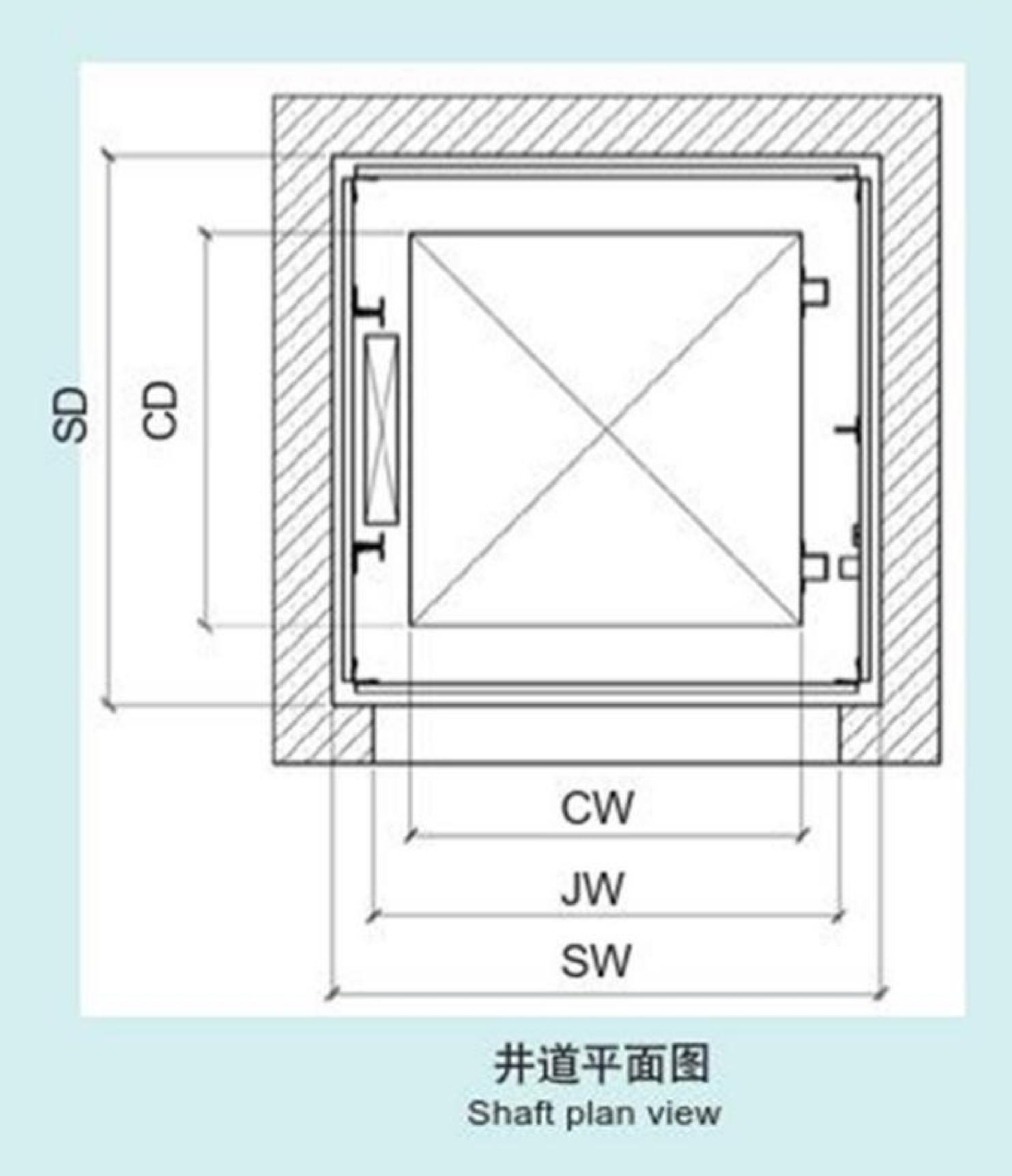
Window type (Door opening: Up/down bi-parting door)

序号 No.	规格 Size	载重量 (kg) Load(kg)	种类 Type	轿厢尺寸 Car Size			井道尺寸 Shaft size		而是宣帝	地坑深度 Pit depth	门口预留尺寸 Preserved door opening size		
			Window type	CW(宽) CW(Width)	CD(深) CD(Depth)	CH(高) CH(Height)	SW	SD	顶层高度 Top layer height	P	JW	JH	SH
1	TW12-100	100	窗口式	600	600	800	920	920	≥ 3000		750	1050	650
2	TW12-100	100	窗口式	600	700	800	920	1020	≥ 3000		750	1050	650
3	TW12-100	100	窗口式	700	700	800	1020	1020	> 3000		850	1050	650
4	TW12-200	200	窗口式	800	800	800	1120	1120	> 3000		950	1050	650
5	TW12-250	250	窗口式	1000	1000	1000	1320	1280	≥ 3500		1200	1250	650

装饰层由用户定 The decoration layer is determined by the user ±0.00

井道立面图 (落地式)

Shaft elevation view (Floor type)



- *用户负责提供三相 380V、50Hz、10A 电源。 *井道地面承载≥ 15000N/m²。
- *参数表中尺寸单位均为 mm。
- * The user shall present 3-phase 380V, 50Hz, 10A power supply.
- * Load of shaft ground: ≥ 15000N/m².
- * All sizes in the parameters sheet ars in mm.

落地式(开门方式:旁门折叠门)

Floor type (Door opening: Side opening collapsible door)

序号 No.	规格 Size	载重量 (kg) Load(kg)	种类 Type	轿厢尺寸 Car Size			井道尺寸 Shaft size		顶层高度	地坑深度 Pit depth	门口预留尺寸 Preserved door opening size		
			Floor	CW(宽) CW(Width)	CD(深) CD(Depth)	CH(高) CH(Height)	SW	SD	Top layer height	P	JW	JH	SH
1	TW12-200	200	落地式	800	800	1000	1120	1100	≥ 2800	> 700	1060	1250	
2	TW12-200	200	落地式	800	900	1000	1120	1200	≥ 2800	> 700	1060	1250	
3	TW12-200	200	落地式	900	900	1000	1220	1200	≥ 2800	> 700	1160	1250	
4	TW12-250	250	落地式	1000	1000	1000	1320	1280	≥ 2800	> 700	1260	1250	
5	TW12-300	300	落地式	1000	1000	1170	1320	1280	≥ 3000	> 700	1260	1420	



全球市场 | Market



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