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Vision & Mission

To become a global leader in the electromechanical industry. By leveraging technological innovation and exceptional service, we deliver higher-quality, smarter one-stop integrated solutions for electromechanical products to clients worldwide, enabling the world to experience the allure of "Chinese Quality" .

Dumbwaiter

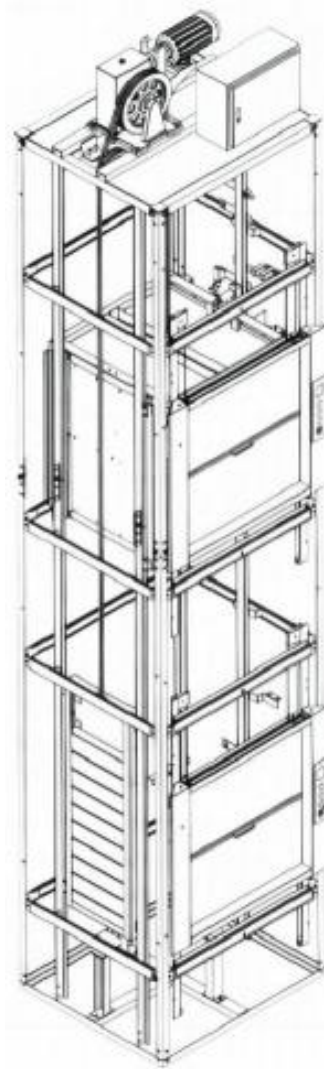
MAIN FUNCTIONS

The Dumbwaiter Lift is controlled by industrial computer (PLC), microcomputer control, novel structure, advanced construction, safe and reliable, easy to operate, the car and hall door are made of grained stainless steel plate, luxurious and beautiful. Widely used in hotels, restaurants, etc.

1. Electric lock function
2. Electric door interlocking function
3. Floor door mechanical lock function
4. Arrival beeping reminder function
5. Door closing reminder function, sound reminder to close the door on other floors
6. Floor number, running direction arrow display function
7. Elevator call answering function
8. Automatic leveling function
9. Emergency stop switch function (optional function)
10. Fault display function
11. Operation timeout protection function
12. Fault restart function

Optional Functions:

- Electromagnetic lock
- Frequency conversion control
- Voice announcement
- Main power supply 220V control
- Variable speed control
- Car induction lighting
- Car heating lamp
- Car UV disinfection lamp
- Safety clamp, speed limiter



PRODUCT DISPLAY

Workbench type Dumbwaiter:

This type of Dumbwaiter landing door is opened on a work platform, which is level with the operator's waist. It is easy and comfortable to operate and is suitable for transporting food and small items.

According to different market needs, Dumbwaiters can generally be divided into two types: Workbench type and Floor type



Floor type Dumbwaiter:

This type of Dumbwaiter has a large capacity and load capacity. The lower end of the landing door is level with the ground. It is suitable for dining cars or large items to be placed on the car and pushed into the Dumbwaiter.

POWERFUL FUNCTIONS

Master the core technology control system

AC single-speed Dumbwaiter features

1. Added voice announcement function
2. Added regular maintenance day setting function
3. Added fault query function (can query the last five faults)
4. Serial communication mode
5. Elevator lock function
6. Upper limit function
7. Lower limit function
8. Emergency stop function
9. Door lock function
10. Elevator call function
11. Maintenance function
12. Anti-adhesion protection function
13. 5 seconds unopened leveling protection function
14. Operation timeout protection function
15. Phase failure/phase error protection function
16. Single selection/collective selection function
17. Support DC24V electromagnetic lock
18. Door lock ground protection function
19. Elevator debugging return function
20. Adjustable floor display



Variable frequency speed control Dumbwaiter features

1. Features of AC single speed elevator
2. Adopt new traction machine with low noise, fully enclosed and no leakage, no need for later maintenance.
3. VVVF dragging method increases the speed of elevator movement to meet the requirements of different customers.
4. High-quality traction machine and elevator dedicated inverter use Using a utility elevator with the same load capacity can save 40% of electricity, greatly reducing the operating cost.



COMPONENT FUNCTIONS

Control Panel

1. The panel is made of grained stainless steel by one-time forging, which is beautiful and elegant.
2. The excellent waterproof, anti-corrosion and anti-smoke design is more suitable for kitchens and other occasions.
3. The buttons have better compressive strength, which greatly increases the service life of the buttons.



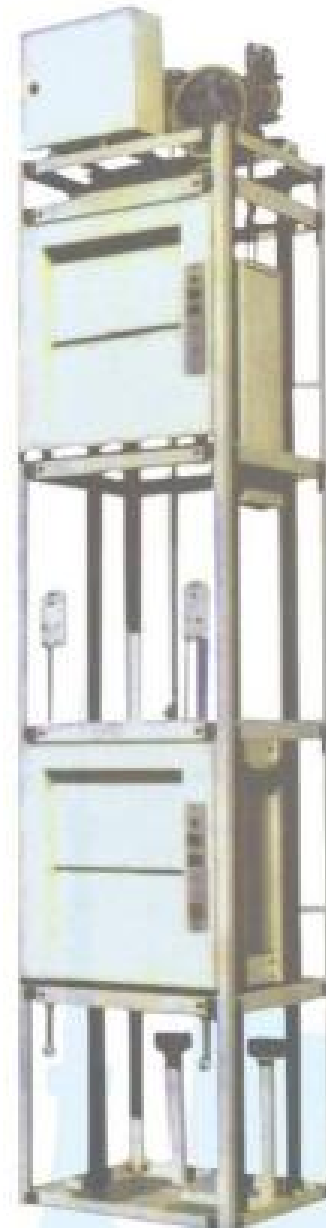
Traction Machine

1. The brake belt has high wear resistance and heat resistance.
2. When the elevator power supply fails or the control circuit power supply fails, the brake can brake immediately.
3. When the car is loaded with 125% of the rated load and running at the rated speed, the brake can stop the traction machine.
4. When the elevator is operating normally, the brake remains released under continuous power supply; after disconnecting the brake release circuit, the elevator is effectively braked without additional delay.



TECHNLCAL PERFORMANCE

1. The standard elevator T-type guide rail is adopted to effectively ensure the safety of elevator operation.
2. The car and hall door are standardly equipped with textured stainless steel material and decoration, which is corrosion-resistant, damage-resistant, clean and hygienic, and beautiful and sturdy.
3. The worm gear of the traction machine is made of Sikkim alloy, with the advantages of high transmission performance, low noise, wear resistance and low host temperature.
4. Flexible door opening method. With the single door opening and through door opening methods of traditional elevators, it can better meet the special customers' 90-degree right-angle door opening requirements.
5. In addition to the standard 0.4m/s traction host, the 1.0m/s electric traction host can also be selected, which can replace the small-load freight elevator with high floors or high lifting heights. While meeting its functions, it can also greatly reduce the procurement cost.

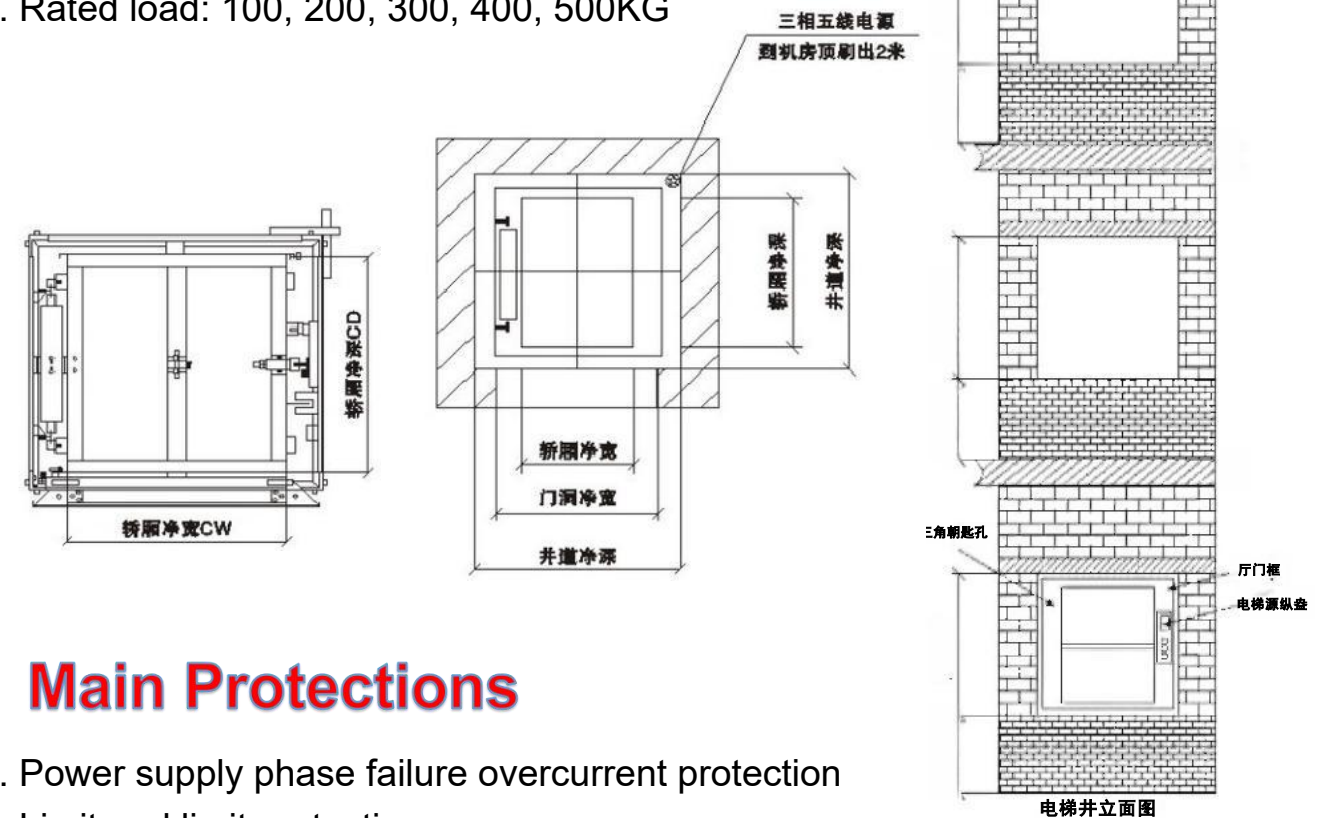


Operation and maintenance

1. Low failure rate. It adopts advanced drive system and cooperates with microcomputer control technology. Technology, the elevator operation failure rate can be reduced to the minimum.
2. Easy maintenance. The precise integrated frame and component parts are not only easy to install, but also ensure quick and thoughtful maintenance.
3. Good energy saving. The specially selected frame type is equipped with high-quality electric traction machine to ensure energy saving while the power is absolutely free of water supply.

RODUCT FEATURES

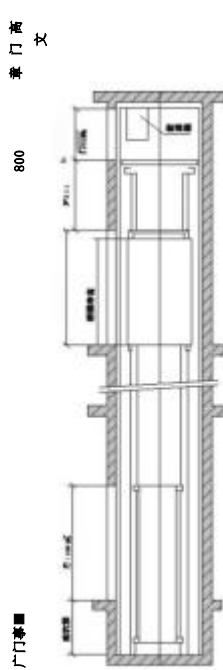
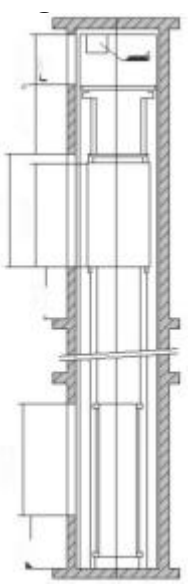
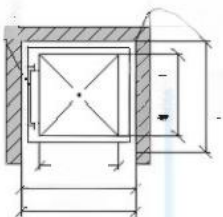
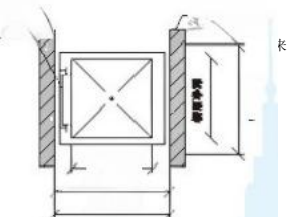
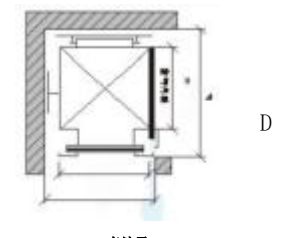
1. Frame structure that is easy to install and externally decorated
2. It can be selected with or without civil construction shaft and machine room
3. The product complies with the national JG135-2000 standard
4. Rated load: 100, 200, 300, 400, 500KG



Main Protections

1. Power supply phase failure overcurrent protection
3. Limit and limit protection
5. Multiple contactor series protection
7. Elevator obstacle timeout protection
9. Operation and maintenance emergency stop protection
2. Motor overload protection
4. Contact adhesion protection
6. Contactor mechanical interlock protection
8. Hall car door interlock protection
10. Speed limit protection (>250kg)

ELEVATOR CONSTRUCTION

		
Floor level type		Workbench type
		
One-directional type	Two-direction type	Multi-side type
The User is responsible for providing three-phase five-wire 380V.50Hz. power supply and delivering it to the machine room. The shaft floor load bearing>1500kg/m (20cm C20 concrete cushion). When there is no shaft, the floor opening size is CXD in the table. Non-standard elevator parameters are provided in drawings separately. The dimensions in the parameter table are all in mm.		

TECHNLCAL PARAMETE

Dumbwaiter Basic Parameters			
Application	Dumbwaiter	Capacity	100-500kg
Speed	0.4M/S-1.0M/S	Drive mode	AC single speed/Variable frequency
Control technology	Microcomputer digital control/PLC control/variable frequency	Control mode	Outside Door Button
Motor power	1.1-5.5kw	rotate speed	940-1400
Maximum number of floors	18	Floor spacing (mm)	3000

Elevator Civil Engineering Technical Parameters

序号	载重量 (kg)	电机 功率 (kw)	供电 电压 V	梯速 m/s	轿厢规格			井道尺寸		顶层高度		工作 台高 P (mm)	底坑深			预留门口尺寸				
					(mm)			(mm)		(mm)			Q (mm)			h离 (mm)				
					A宽	B深	H离	C宽	D深	地平式	工作台式		直分	侧刀门	旋转	C宽	直分	刻刀门	旋转	机房
	100	1.1	380	0.4	600	600	800	1000	900	1	3000	700	/	/	/	1000	1000	1000	/	800
2	100	1.1	380	0.4	700	700	800	1100	1000	/	3000	700	/	/	/	1000	1100	1000	1	800
3	150	1.1	380	0.4	800	800	800	1200	1100	1	3000	700	/	/	/	1200	1000	1000	↘	800
4	200	1.5	380	0.4	900	800	800	1300	1100	/	3000	700	/	/	/	1300	1000	1000	/	800
5	200	1.5	380	0.4	1000	800	800	1400	1100	/	3000	/	/	/	/	1400	1000	1000	↘	1000
6	200	1.5	380	0.4	800	1000	1200	1200	1300	3000	1	/	900	300	/	1200	1600	1600	/	1000
7	200	1.5	380	0.4	1000	1000	1200	1400	1300	3000	/	/	900	300	/	1400	1600	1600	↘	1000
8	300	2.2	380	0.4	1000	1000	1200	1600	1600	3000	/	/	1000	500		1600	1600	1600	/	1000
9	400	4	380	0.4	1200	1200	1400	1900	1600	3200	1	/	1200	600	/	1900	2000	2000	1	1000
10	500	5.5	380	0.4	1400	1400	1600	2100	1800	3200	/	/	1500	/	/	2100	2000	/	/	1000

Work to be completed by the User

1. The three-phase five-wire 380V50hz power supply and 220V The power supply is sent to the machine room, and the main switch and lighting power switch are set in a place that is easy to operate and control. (Voltage fluctuation is allowed +7%)
2. Fixed lighting is set in the machine room, and a 2P+PE type (AC250v) power socket is set.
3. An independent grounding wire is required in the machine room, and its cross-section is more than the cross-sectional area of the power line, and the grounding resistance is $\leq 4Q$. Insulated wires are used from the ground to the machine room.
4. The load on the ground of the well pit should not be less than 1500kg/m, and the ground should be smooth and waterproof.
5. After the elevator is installed, the door opening decoration and the machine room inspection door are the responsibility of the user.

AFTER-SALE SERVICE

Customer-centered Service

Our company has a complete after-sales service guarantee system. Each region has full-time personnel responsible for online guidance, installation and maintenance, timely delivery, and reliable quality. During the maintenance period, the company will reply to the solution within 24 hours after receiving the repair information, so that users have no worries.



Convenient Transaction

Only one order confirmation is needed, and Bydi Elevator can complete the entire service of ordering, shipping, and delivery.

Timely Delivery

Bydi Elevator has a total of 20 transport vehicles to meet customers' needs for delivery at any time and ensure that customers' production is uninterrupted.

After-Sales Service

Reply with solutions within 24 hours and provide timely online guidance on customers' installation and maintenance issues.

APPLICATIONS

