

Note

Specifications, options and colors are subject to change. All cars and options illustrated in this brochure are representative only. The samples shown may vary from the original in color and material.



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Quality Management System Certification



OHSAS1800 Occupational Safety and Health Management System Certification

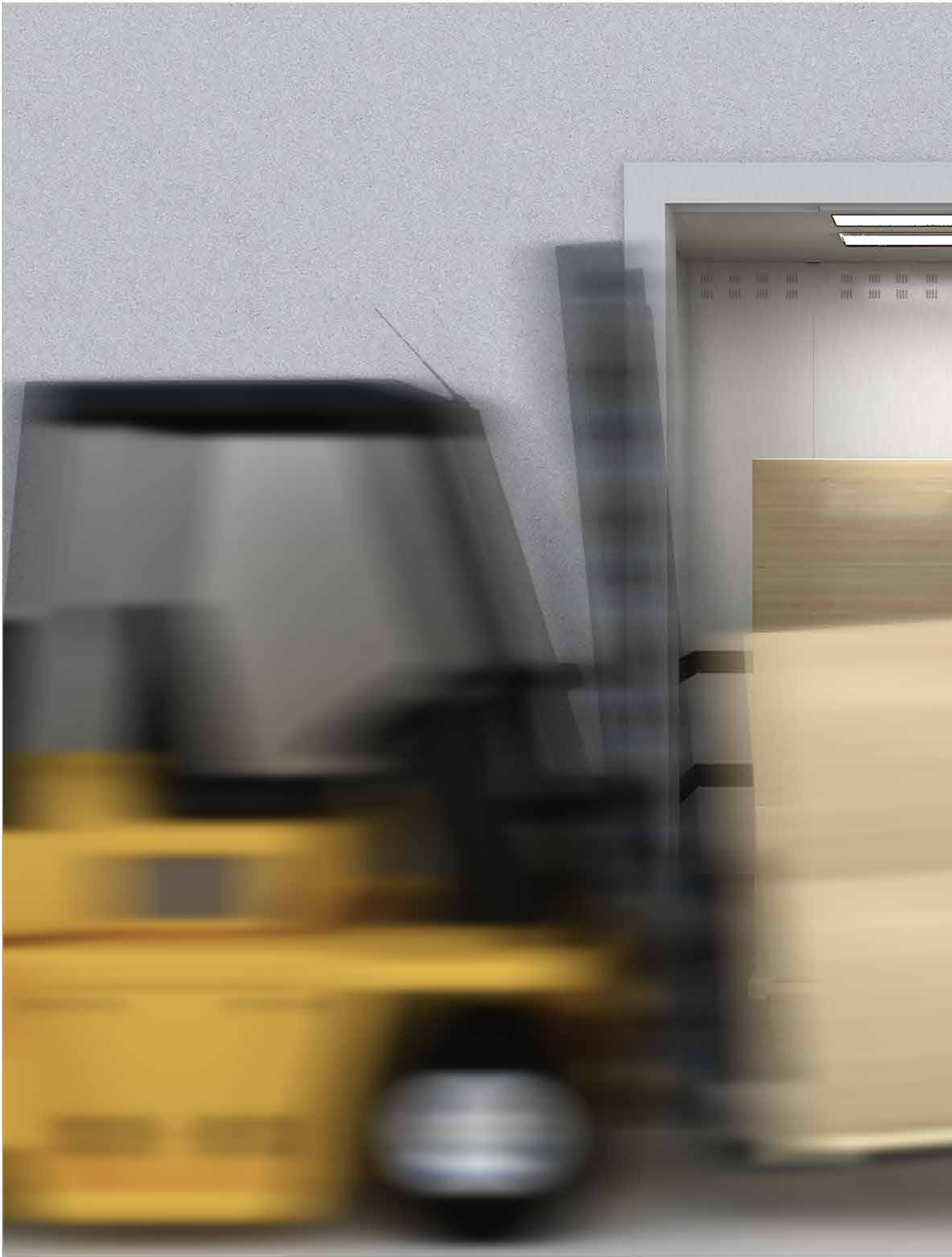


ISO14001: Environmental Management System Certification





XJS Freight Plus



Flexible application





Safe and Efficient





Outstanding Performance



AMADO CORP
NAME: ILSHIN LAB CASE
SIZE: LARGE (132x132x73mm)
QUANTITY: 90 PCS
MADE IN CHINA

Outstanding Performance

Based on the perfect combination of Power X technical platform and XJ Schindler eDrive effective power, we show you the brand new product design. With high strength machine structural design and good quality component application, it makes the XJS Freight Plus own remarkable quality and splendid performance.

With outstanding powerful transmission and carry capacity, XJS freight can be more effective, sturdy and durable. It can apply extensively to work plant, warehouse and garage.

Outstanding Permanent Magnet Synchronous Gearless Machine

- ◆ Powerful drive, smooth and stable ride, high performance with large allowance
- ◆ High precision; minimized mechanical deformation
- ◆ Exceeding low temperature, reliable for a long operation hours
- ◆ Quiet operation

Precise and reliable door

- ◆ Self-learning, automatic calculation curves for door opening and closing
- ◆ Modular design, less spare parts,
- ◆ Easy debugging via a compact control panel
- ◆ Flexible multi-function terminal, extensive applicability, agile operation



Excellent control system

- ◆ Mature VVVF technical and precise speed governing via special technology make a more smooth running curve, more stable operation and less electrical consumption.

Reliable component

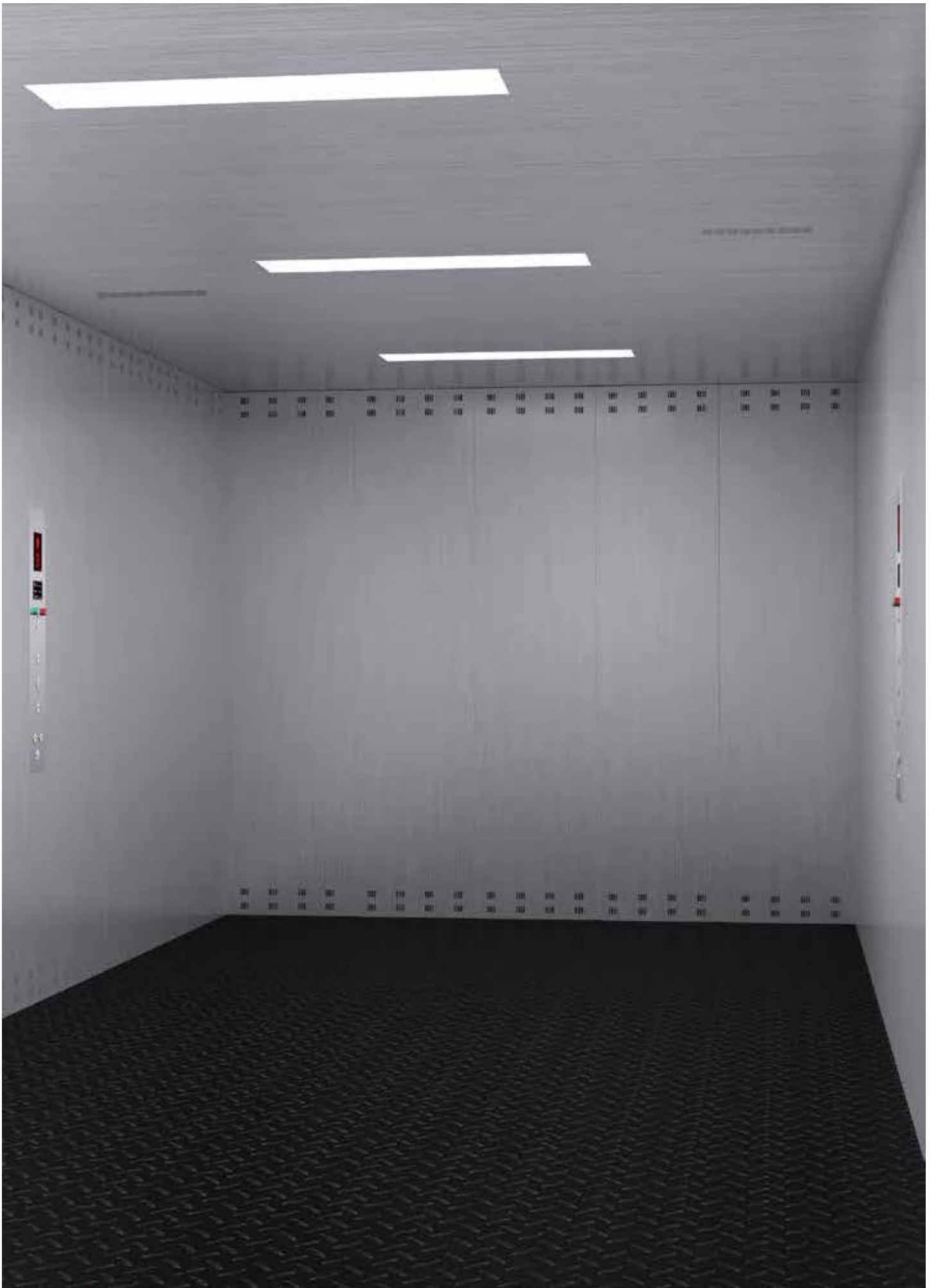
- ◆ Three rows of bridge structure, mutil rows sidestay connection, it can prevent lift distortion during the loaded operation period so that it can be more steady.
- ◆ 6 guide rail can reduce unbalance loading and concentrated loading, prevent lift slanting.
- ◆ The mechanical component adopt the electro-phoresis protection method with car industrial standard. It extends the lift life span.
- ◆ Added pawl devices under the lift car, it prevent the lift car move down when lift load heavy goods and guarantee passenger and goods safety.
- ◆ Double weighing devices offer mutl-protection for preventing overload.
- ◆ All component passed the CE certified.

Humanized design

- ◆ The height of COP is same with the driver position, driver can operate lift inside vehicle conveniently.
- ◆ To satisfied the requirements for vehicle going in and out, the 3D light curtain can be chosen as optional, to guarantee vehicle safety.
- ◆ Intelligence pre-warning and voice announcement, to caution people vehicle going in and out and to guarantee the vehicle and passenger safety.







Car Interior Finishes

Ceiling



Wall

Powder coated -
Electro gray

Monolayer/Film
stainless steel hairline finish

Floor

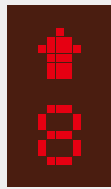
Steel chequered plate

Stainless steel
chequered plate (optional)

User Interface



Ultra-thin
S/S mirror finish



LED



LCD
(optional)



LED horizontal indicator
S/S mirror finish
(optional)



Vehicle Lift LOP



Freight Plus Lift LOP



DZD-JF
(optional)



DZD-JS
(optional)

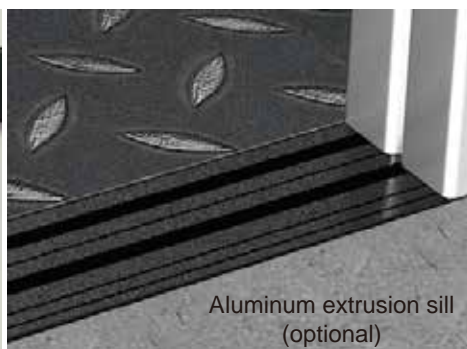


Ultra-thin
without indicator
S/S mirror finish

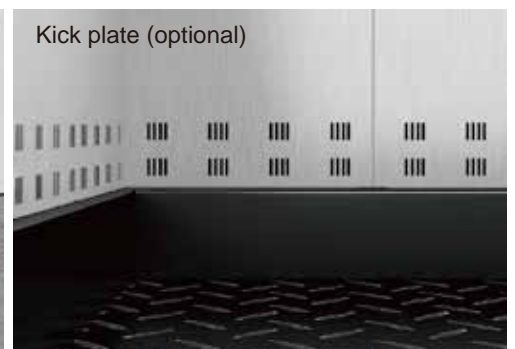


Bumper(optional)

Handrail (optional)

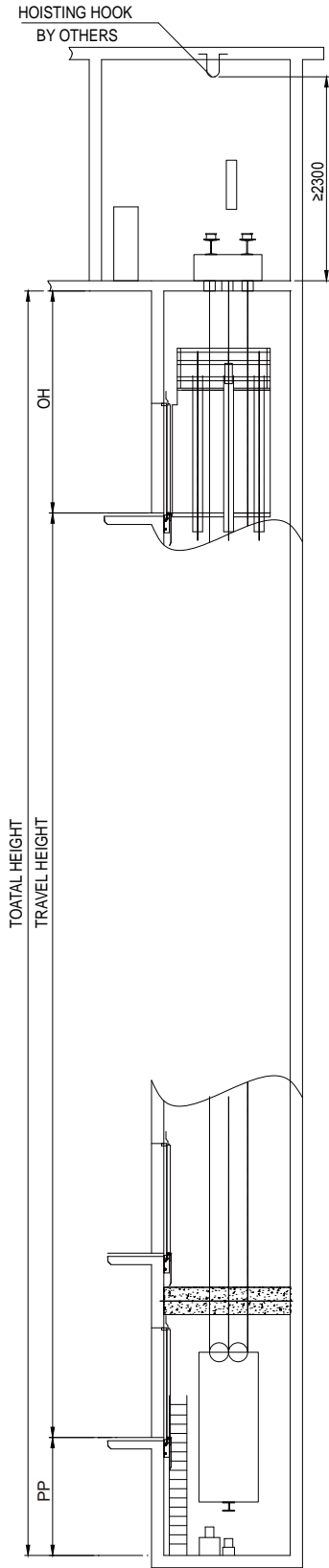


Aluminum extrusion sill
(optional)

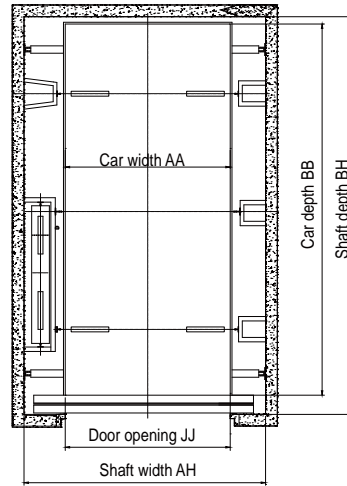


Kick plate (optional)

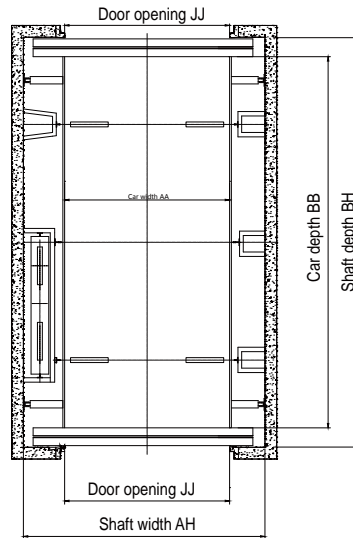
Standard Shaft Drawing A



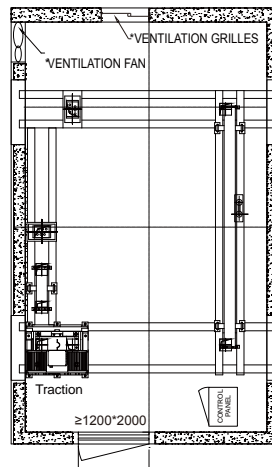
SECTION OF HOISTWAY



PLAN OF HOISTWAY

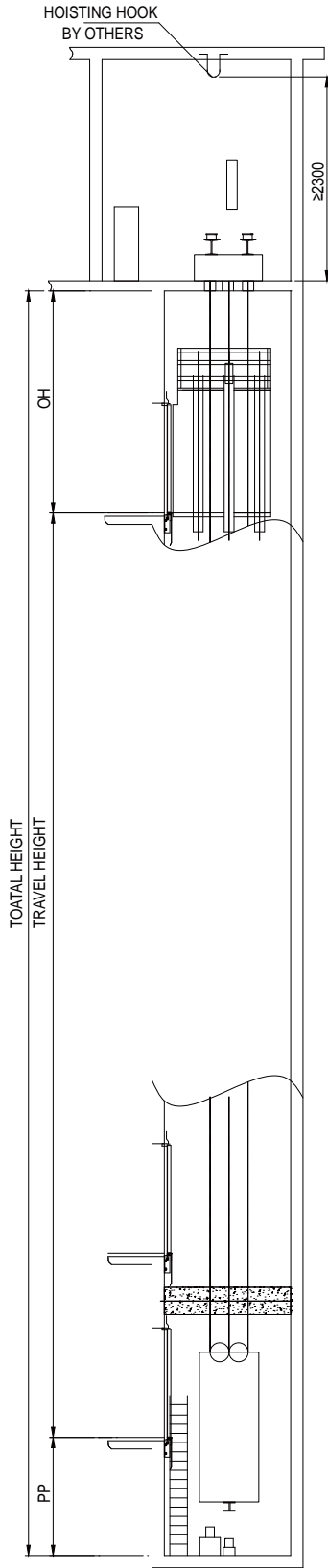


PLAN OF HOISTWAY

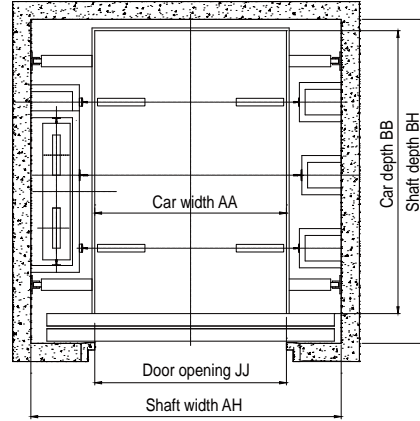


PLAN OF MACHINE ROOM

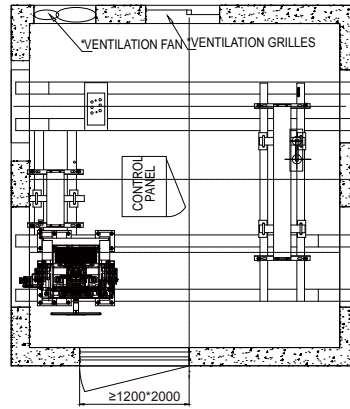
Standard Shaft Drawing B



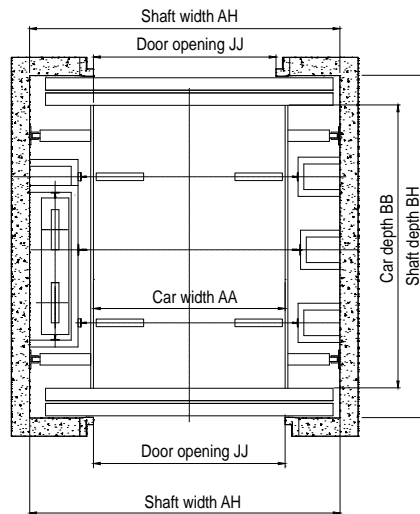
SECTION OF HOISTWAY



PLAN OF HOISTWAY



PLAN OF MACHINE ROOM



PLAN OF HOISTWAY

Planning Data

Vehicle Lift

Load	Speed	Max. Travel (TR)	Car Size		Door Opening Size (JJ x HH)	Shaft Size		Min.pit depth (PP)	Min. Overtravel (OH)	Machine Platform Height (HM)
			Single Entr. (AA x BB x HK)	Thro Entr. (AA x BB x HK)		Single Entr. (AH x BH)	Thro Entr. (AH x BH)			
[kg]	[m/s]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
2500	0.5/0.63	60	2400x5500x2200	2400x5500x2200	2400x2200 C4	3900x5900	3900x6000	1500	4100	2300
3000	0.5/0.63	60	2500x5700x2200	2500x5700x2200	2500x2200 C4	4000x6100	4000x6200	1500	4100	2300
3500	0.5/0.63	60	2600x6200x2200	2600x6200x2200	2600x2200 C6	3900x6700	3900x6900	1500	4100	2300
4000	0.5/0.63	60	2800x6200x2200	2800x6200x2200	2800x2200 C6	4100x6700	4100x6900	1500	4100	2300
4500	0.5/0.63	60	2800x6300x2200	2800x6300x2200	2800x2200 C6	4100x6800	4100x7000	1500	4100	2300
5000	0.5/0.63	60	3000x6300x2200	3000x6300x2200	3000x2200 C6	4400x6800	4400x7000	1500	4100	2300

Large car area Freight Lift

Load	Speed	Max. Travel (TR)	Car Size		Door Opening Size (JJ x HH)	Shaft Size		Min.pit depth (PP)	Min. Overtravel (OH)	Machine Platform Height (HM)
			Single Entr. (AA x BB x HK)	Thro Entr. (AA x BB x HK)		Single Entr. (AH x BH)	Thro Entr. (AH x BH)			
[kg]	[m/s]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
2000	0.5/0.63	60	2100x3100x2300	2100x3100x2300	2100x2300 C4	3500x3500	3500x3600	1500	4200	2300
2500	0.5/0.63	60	2200x3100x2500	2200x3100x2500	2200x2500 C4	3600x3500	3600x3600	1500	4400	2300
3000	0.5/0.63	60	2500x3400x2500	2500x3400x2500	2500x2500 C6	4000x3800	4000x3900	1500	4400	2300
3500	0.5/0.63	60	2600x3500x2500	2600x3500x2500	2600x2500 C6	3900x4000	3900x4200	1500	4400	2300
4000	0.5/0.63	60	2800x3600x2500	2800x3600x2500	2800x2500 C6	4100x4100	4100x4300	1500	4400	2300
4500	0.5/0.63	60	2800x4000x2500	2800x4000x2500	2800x2500 C6	4100x4500	4100x4700	1500	4400	2300
5000	0.5/0.63	60	3000x4000x2500	3000x4000x2500	3000x2500 C6	4400x4500	4400x4800	1500	4400	2300

Standard Function

Rep	Function	Function Description
1	Collective Selective	When lift registers all the entered car calls and floor calls, it will select and answer the calls automatically and successively which direction is same with its running direction.
2	Door auto opening	After power on, door opens automatically if the car is at any landing.
3	Auto door open (to serve registered call)	When the lift is operated under 'Normal' mode, door opens automatically when the car is at the destination.
4	Adjustable door open time	The dwell time between door opens completely and door starts to close is adjustable to suit for the actual situation.
5	Door close fault alarm	If the door does not fully close within the pre-defined time, the system will force to close again. Fault alarm will be enabled if the door fails to close after 6 times.
6	Landing door interlock protection	All landing door locks must be closed under normal operation. Any of the door lock is open or not securely closed, the lift stops immediately.
7	Auto door open (at landing)	After push the call button, door opens automatically when the car is at that landing.
8	Door close in advance	When the lift is operated under 'Normal' mode and the door opens completely, passenger can press door close button to shorten the dwell time.
9	Auto door open (to serve registered call)	When the lift is operated under 'Normal mode, door opens automatically when the car is at the destination.
10	Inspection operation	When the operation is activated either at the car top or in the lift pit, the lift inspector can operate the lift traveling in up/down direction at inspection speed.
11	Evacuation when lift fault	If the car stops in locking zone due to lift fault, the lift system will try to move the car to the nearest landing at reduced speed, and open the door to release passengers.
12	Self-learning trip	Before the lift car runs at rated speed, self-learning trip must be enabled to record all the lift shaft data in the controller permanently.
13	Floor button self-check	Any floor call button is pressed continuously >20s, this button will be deemed as faulty and isolated. The corresponding landing indicator will blink to alert.
14	Recovery from power failure	If the lift car stops in locking zone due to power failure, the lift system will try to move the car to the nearest landing and recover when the main power supply is back.
15	WDT protection	The protection is provided on the main control board. Any fault is detected in the CPU, WDT circuit forces to stop output signal and restart CPU.
16	Door light curtain protection	A light curtain is provided at each car door. When an obstacle is detected in the doorway, the door stops closing and re-opens.
17	Overspeed protection	If the traveling speed is measured >115% of rated speed for >500ms under normal operation, the lift decelerates until car stops. If the fault is not corrected after the 2nd failure, no signal will be sent from the controller and lift alarm will be activated to alert.
18	Overload protection	When overload is detected, audio and visible signal will be activated to alert passengers. Door remains open and the lift car stays at the landing.

Standard Function

19	Reversal travel detection	Under 'Inspection' mode, if the buttons operate the car traveling in reverse direction >3s, the lift stops and activate lift alarm.
20	Anti-skid protection	If the motor speed and lift car traveling speed are detected not synchronous, the motor brakes and activate lift alarm.
21	Error log	Error when self-diagnosed will be logged for lift analysis.
22	Over travel protection	If the car travels close to the terminal of travel, in case of car no decelerate to expected speed, The car is forced to decelerate.
23	Contactors inspection protection	The system inspects the contactor state. If unnormal situation was detected, the lift will stop and be fault protection situation.
24	Safety circuit protection	If any part of the lift out of order, the safety circuit will disconnect and stop lift running right now.
25	Running overtime protection	When lift running time beyond the over travel running time. it will stop and alarm.
26	Limit switch protection	If the system detect the limit switch action, it will stop lift running and run in opposie direction to flat landing then open the door and recover.
27	Final limit switch protection	If the system detect the limit action, all system access the protection status.
28	Brake failure detection	Machine brakes are always monitored. If any brake is detected inactive, the lift stops immediately.
29	Inverter fault detection	If any fault from inverter is detected, the lift car stops. The lift operation will be resumed once the fault is removed.
30	Encoder fault detection	If any inconsistent signal from encoder is detected, the lift car stops.
31	Fire alarm homing	When fire alarm signal is received, all lifts should travel to the fire recall floor immediately and allow passengers to exit the cars. Then the lifts are not available for normal use. (This description is the fire alarm homing standard of our company.The order and status is different in local standard. Special declaration need to be offered to our company for the no-standard design)
32	Car slip alarm	If any pulse is detected for 3 seconds after the lift car stops, activate lift alarm.
33	Lift fault auto-stop	If a lift fault happens when the car is not in unlocking zone (safety circuit must be closed), the system will move the car to the nearest landing to release passengers.
34	Full load bypass	When the car is fully loaded, it serves only car calls and ignores floor calls.
35	Floor lock off	The landing can be locked off for normal car and floor call registration, to prevent egress and ingress at this landing.
36	Out of service switch	When "Out of Service" is activated, the lift car will be blocked at a particular floor after all registered calls are served.The "Energy Saving" mode is then switched on.
37	Alternative stop	If the car arrives the destination without door lock open > 8s, the system will move the car to the nearest landing to release passengers.
38	Auto homing	When there is no car/floor call registered in a pre-determined time, the system will move the car to the home floor.
39	Arrival gong (at car)	When the lift car is arriving at a landing to serve a registered call, a tone will be generated inside the car to inform passengers.

40	Emergency light	When power failure occurs, the emergency lift on the car operating panel will be switched on automatically.
41	Lift alarm button	When there is incident or abnormal operation, passengers inside the car can press the alarm button and ask for assistance.
42	Energy saving mode	When no car or floor call is registered for a period of time, the lift shall be put in standby mode. The fan and lighting inside the car shall be switched off automatically.
43	Emergency electrical operation	If the lift stops due to open safety circuit, the lift car can be moved to the nearest landing at a reduced speed to release passengers.
44	Car call cancellation	Passengers can cancel the registered car call.
45	Special symbols display	Special symbols are available to be displayed on the car/landing position indicator.
46	Lift status display	Lift travel status, direction, position, etc. can be displayed on the main control board LCD inside control cabinet.
47	Lift timer	The time for lift normal operation auto start/shut-down can be set manually.
48	Car door lock (except C2 door)	In case the lift car stops incidentally outside unlocking zone, it is not possible to open the car door from inside the car by all means.
49	Unintended car movement protection	When an unintended car movement happens either in up or down direction, the detection means becomes active and the lift car will stop within the distances defined by EN code.
50	Attendant operation	All the entered car calls and floor calls, door opening and closing, running direction selecting controlled by lift driver.
51	Double COP (Standard for Vehicle lift; optional for Freight Lift)	For convenient operation, there is no need to focus on one COP.
52	Vehicle position detector (Standard for Vehicle lift; optional for Freight Lift)	Ensure door open before vehicle complete entering and prevent car scratches.

Optional Functions

Rep	Function	Function Description
1	Group control duplex/multiplex) ^{*1}	Collective selective operation can be provided for a lift group up to 4 lifts. Floor calls will be served by the "best" lift car.
2	Automatic rescue device (for inverter power ≤30kW)	When the mains power failure happens, the UPS will be switched in to drive the lift car to the nearest landing for evacuation.
3	AV Cable ^{*2}	Audio for PA and video for CCTV travelling cables can be reserved. The model of them see in the Note and any special requirement for this should be marked.
4	Power regeneration	The inverters are able to recuperate electrical energy to the line so as to save energy.
5	Voice announcement	Voice message remind passenger the floor and running situation. (Voice message can be set according to client's requirement. The changed message should be confirmed by department of technology.)
6	Hall lantern	The hall lantern illuminates to indicate the car travel direction of the next trip.
7	Interface to earthquake control	When an earthquake signal is received, the lift car will stop at the nearest landing for evacuation.
8	Supervisory panel	Monitoring the lift operation, fault, fire protection, and whether with group control function situations via indicator and display screen. It can realize the stop service, emergency and fire protection function.
9	Building monitoring interface (Dry contactor)	The interface provides lift status (e.g. travel direction, car position, fault signals, etc.) only via dry contacts.
10	Floor access with card reader	The authentication is done via an IC card. The passenger can swipe a valid IC card at the card reader to register a car call to a locked floor.
11	Extension of door open time	Passenger can press a special button provided inside the lift car, to extend the time of door staying open.
12	5-way intercom system	A voice communication with multi-channel can be provided for emergency use and maintenance among lift car, car top, pit, machine room and duty room.
13	Lift shaft lighting	Lighting c/w wiring can be provided along the lift shaft, as per EN code requirement.
14	Emergency exit at car roof	Passengers can be rescued from outside lift car in case of emergency.
15	Interface to 3rd party devices ^{*3}	Any 3rd party devices (card reader, intercom, car position indicator, computerised supervisory panel, etc.) should be checked by the manufacturer. Detailed information is required from the customers.
16	Door open in advance	After lift arriving target landing door area, door open in advance when lift running at a low speed in door area.
17	Anti-nuisance protection	To prevent running without passenger, make a judgment for load weight and cancel wrong order.
18	3D light curtain protection (Standard for Vehicle lift; optional for Freight Lift)	The protection area formed in the door with the 3D light curtain. Lift door closing will stop and reopen when touched the light curtain.

Optional Function

19	Dual Power Switching	Automatically connect the back power (other power or electric generator) when power off to guarantee the lift normal operation.
20	Vehicle position reminding (Optional for Vehicle Lift)	Detect the vehicle parking position and make a audible and visual alarm.

NOTE:

- *1 Max. quantity for group control is 4 lifts.
- *2 The standard equipment for AV cables is the part from control cabinet to lift car, other parts shall be marked.
The model for AV cables: Video cable: SYV75-5; Audio cables: twisted-pair (0.75mm²).
- *3 For the third part IC card, its connector in our company is as follow: it can receive the passive dry contactor signal form the third part. When the signal is effective, lift will open the set floor for users. The time for button opening is up to the signal valid time.