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# Elevator Door System Brochure

## Better Performance for Better User Experience

- Control System
- HMI
- Door System
- Cable System

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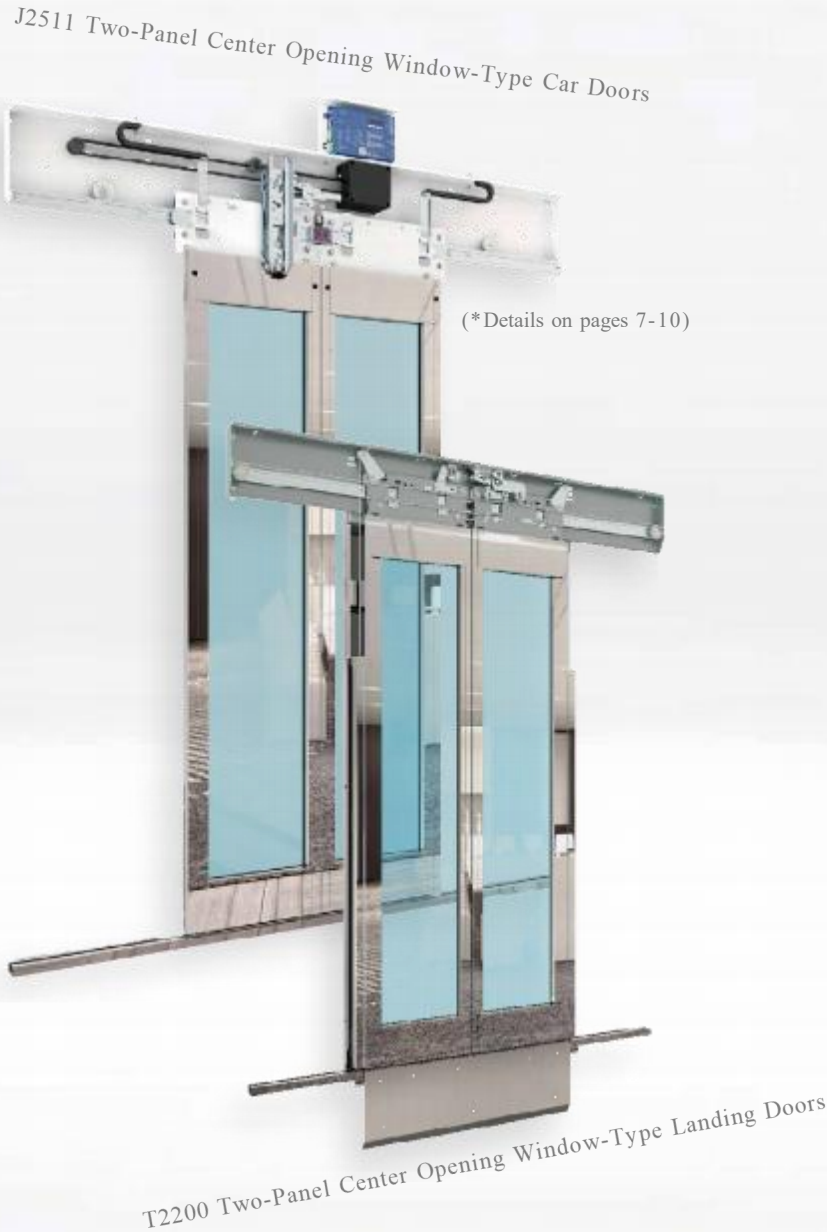
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European Doors

GB/T 7588  
GB/T 27903  
EN81-20/50  
EN81-58  
Gost 30247.3



Easy Setup

The new brackets are easy to install and adjust, improving installation efficiency and saving man-hours. Commissioning is easy with the one-click auto-tuning feature.



Compact Size

The landing door space, car door space, and door operator thickness are reduced to improve the shaft utilization rate.



High Reliability

The door operators adopt independent tracks and large-diameter pulleys to avoid repeated door close and door vane retraction upon power failure. Landing doors feature high mechanical strength and anti-derailment design.

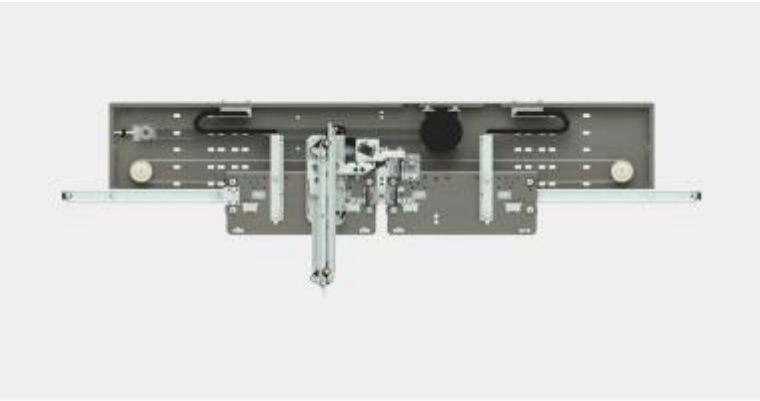


High Compatibility

Either European or Japanese standard interface, either center opening mode or side opening mode, the system supports popular control systems and features high aftermarket adaptability.



J2511 Two-Panel Center Opening Car Doors

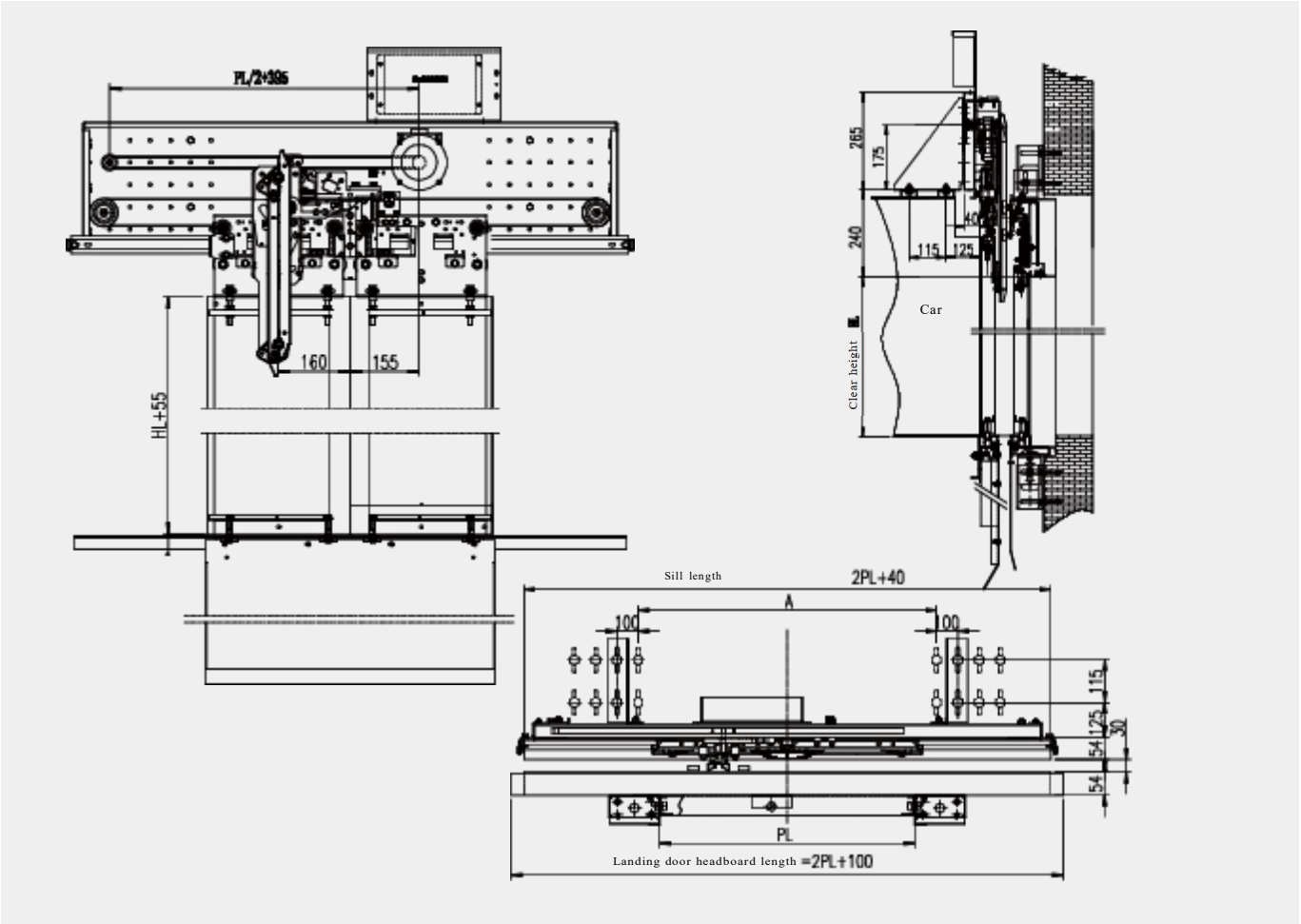


Description

- Gateballs are located outside the door vanes. Synchronous transmission is adopted for simple mechanical structure, reduced mechanical failures, and greatly improved reliability.
- The entire system is light and easy to install and maintain. Closed-loop control and real-time control of running speed and position are available. Functions of traditional travel switch, bow-shaped metal part, and cam switch are integrated on software.
- The excellent auto-tuning function and built-in optimized operation curve greatly simplifies commissioning.
- Part commonality is high, reducing inventory needs and operating costs.

Technical Specifications

HL	HL = 2000 ~ 2500								
PL	700	750	800	850	900	1000	1100	1200	1300
A	125								
Car door space	≥ 95								
Car door track	Independent track								
Door vane	Integrated with car door locks								
Belt	12 mm/S5M								
Belt pulley	Φ24.5								
Sill	54; slot width: 14.8								
IP rating	IP20								



T2210 Two-Panel Center Opening Landing Doors

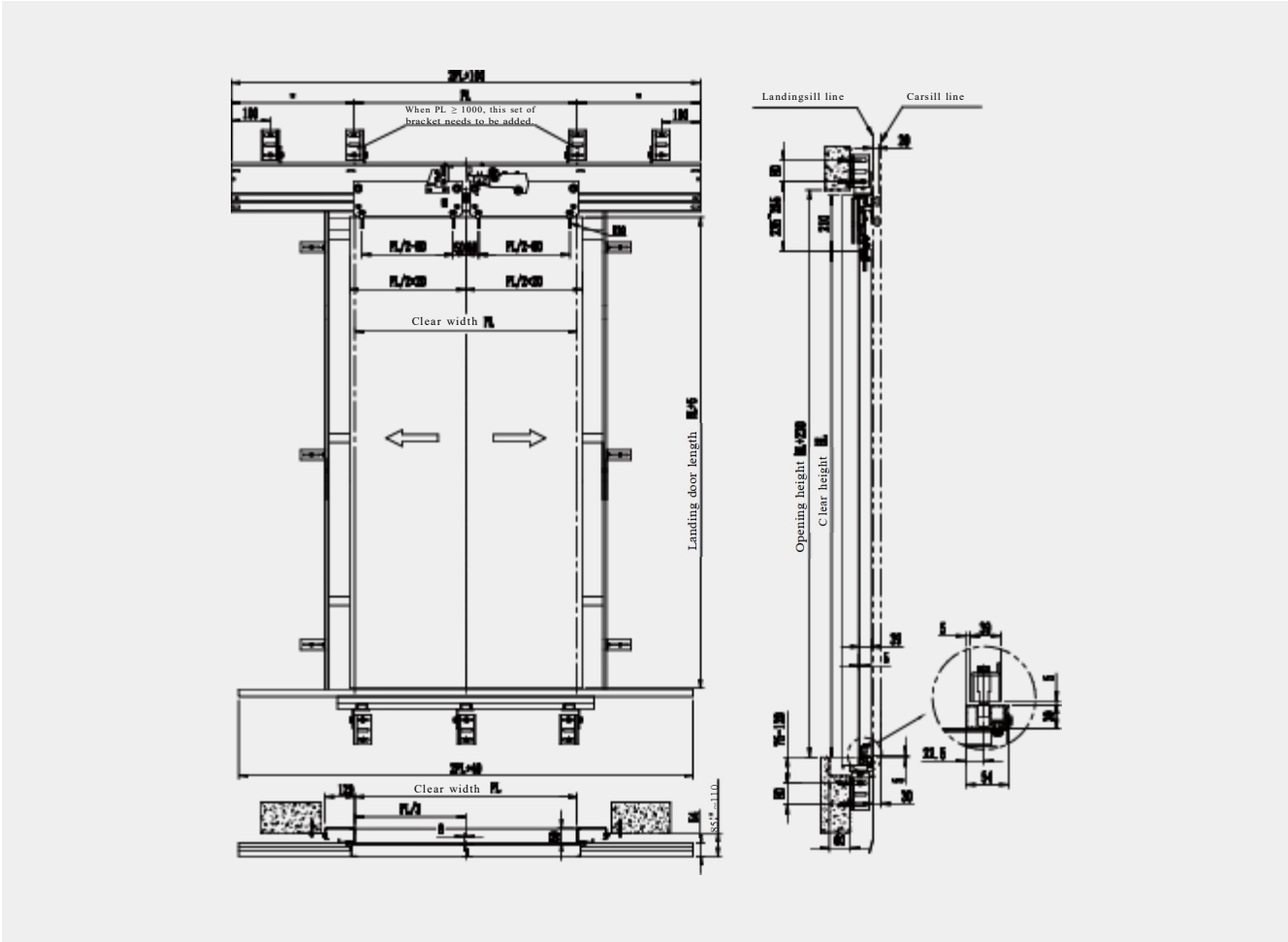


Description

- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The system is in line with the trend of energy conservation and environmental protection. The European interfaces and door vanes with bilaterally-located gateballs meet European market needs.
- The landing doors are easy to install and adjust. Closing springs are adopted for great self-closing performance.

Technical Specifications

HL	HL = 2000 ~ 2500								
PL	700	750	800	850	900	1000	1100	1200	1300
Landing door space	≥ 85								
Min. floor height	HL + 480								
Landing door track	Independent track								
Door plate	1.2 mm cold rolled sheet; thickness: 39 mm (optional: +0.6 mm stainless steel outer covering)								
Door jamb	50×70 Optional: 35×50/60×120								
Sill	54; slot width: 14.8								
Forced door close	Spring								
IP rating	IP20								



## J2511 Two-Panel Side Opening Car Doors

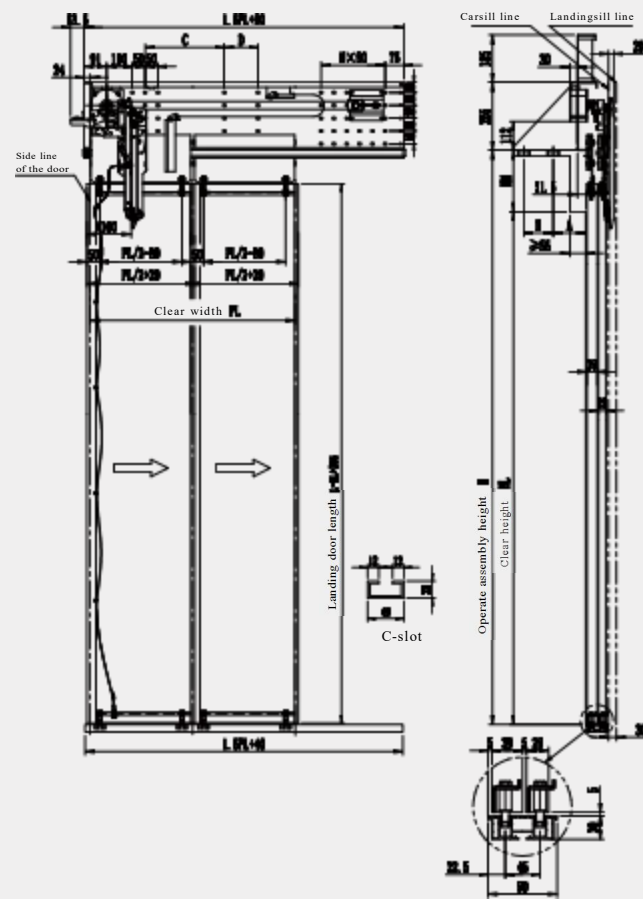


### Description

- Gateballs are located outside the door vanes. Synchronous transmission is adopted for simple mechanical structure, reduced mechanical failures, and greatly improved reliability.
  - The entire system is light and easy to install and maintain.
  - Closed-loop control and real-time control of running speed and position are available. Functions of traditional travel switch, bow-shaped metal part, and cam switch are integrated on software.
  - The excellent auto-tuning function and built-in optimized operation curve greatly simplifies commissioning.
- Part commonality is high, reducing inventory needs and operating costs.

## Technical Specifications

	HL = 2000 ~ 2500						
PL	700	800	900	1000	1100	1200	1300
Car door space	≥ 120			Car door track	Independent track		
Door vane	integrated with car door locks			Belt	12 mm/S5M		
Belt pulley	Φ24.5			Sill	90; slot width: 14.8	IP rating	IP20



## T2210 Two-Panel Side Opening Landing Doors

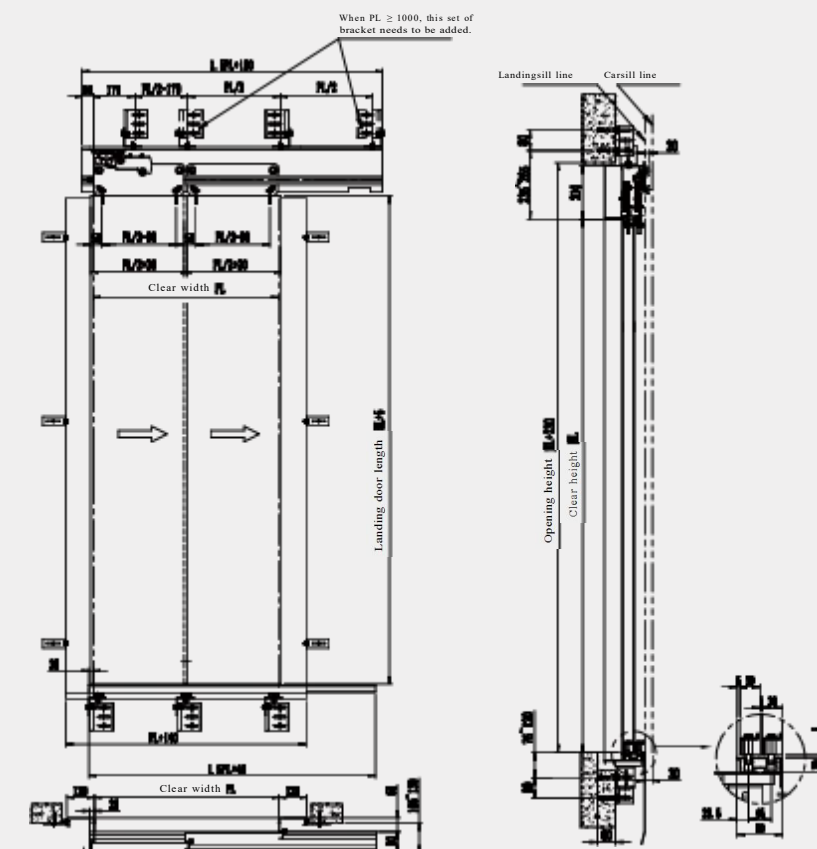


### Description

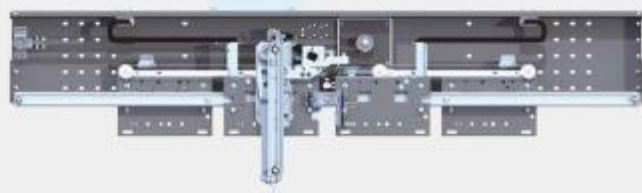
- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The system is in line with the trend of energy conservation and environmental protection. The European interfaces and door vanes with bilaterally-located gateballs meet European market needs.
- The landing doors are easy to install and adjust. Closing springs are adopted for great self-closing performance.

## Technical Specifications

HL	HL = 2000 ~ 2500										
PL	700		750		800	850	900	1000	1100	1200	1300
Landing door space	≥ 105										
Min. floor height	HL + 480										
Landing door track	Independent track										
Door plate	1.2 mm cold rolled sheet; thickness: 39 mm (optional: +0.6 mm stainless steel outer covering)										
Door jamb	50×70 Optional: 35×50/60×120										
Sill	90; slot width: 14.8										
Forced door close	Spring										
IP rating	IP20										



## J2511 Four-Panel Center Opening Car Doors

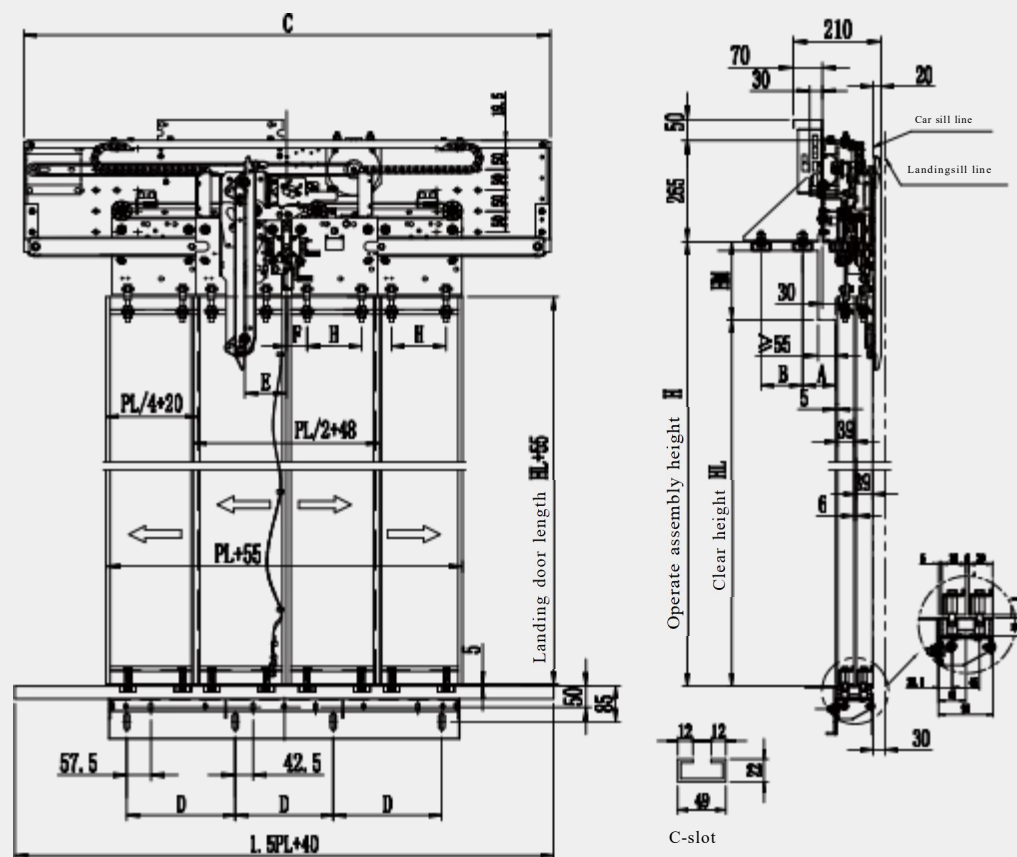


### Description

- Gateballs are located outside the door vanes. Synchronous transmission is adopted for simple mechanical structure, reduced mechanical failures, and greatly improved reliability.
  - The entire system is light and easy to install and maintain.
  - Closed-loop control and real-time control of running speed and position are available. Functions of traditional travel switch, bow-shaped metal part, and cam switch are integrated on software.
  - The excellent auto-tuning function and built-in optimized operation curve greatly simplifies commissioning.
- Part commonality is high, reducing inventory needs and operating costs.

## Technical Specifications

Technical Specifications												0 ≤ HM < 300				A = 125		B = 115		
	HL = 2000 ~ 2400																			
PL	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	
C	1110	1260	1410	1550	1770	1816	1966	2116	2254	2404	2554	2704	2854	2964	3114	3264	3414	3564	3714	
D	215	255	285	315	345	157.14	171.43	162.5	175	166.67	177.78	170	180	172.73	181.82	175	183.33	176.92	184.62	
D quantity	3	3	3	3	3	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
E	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	
F	39	49	49	53	53	57	57	57	62	62	62	62	62	82	82	82	82	82	82	
H	126	131	156	173	198	206	231	256	271	296	321	346	371	356	381	406	431	456	481	
Car door space	≥ 120			Car door track	Independent track			Door vane	Integrated with car door locks											
Belt	12 mm/S5M			Belt pulley	Φ24.5/Φ38.2			Sill	90; slot width: 14.8				IP rating	IP20						



## T2200 Four-Panel Center Opening Landing Doors

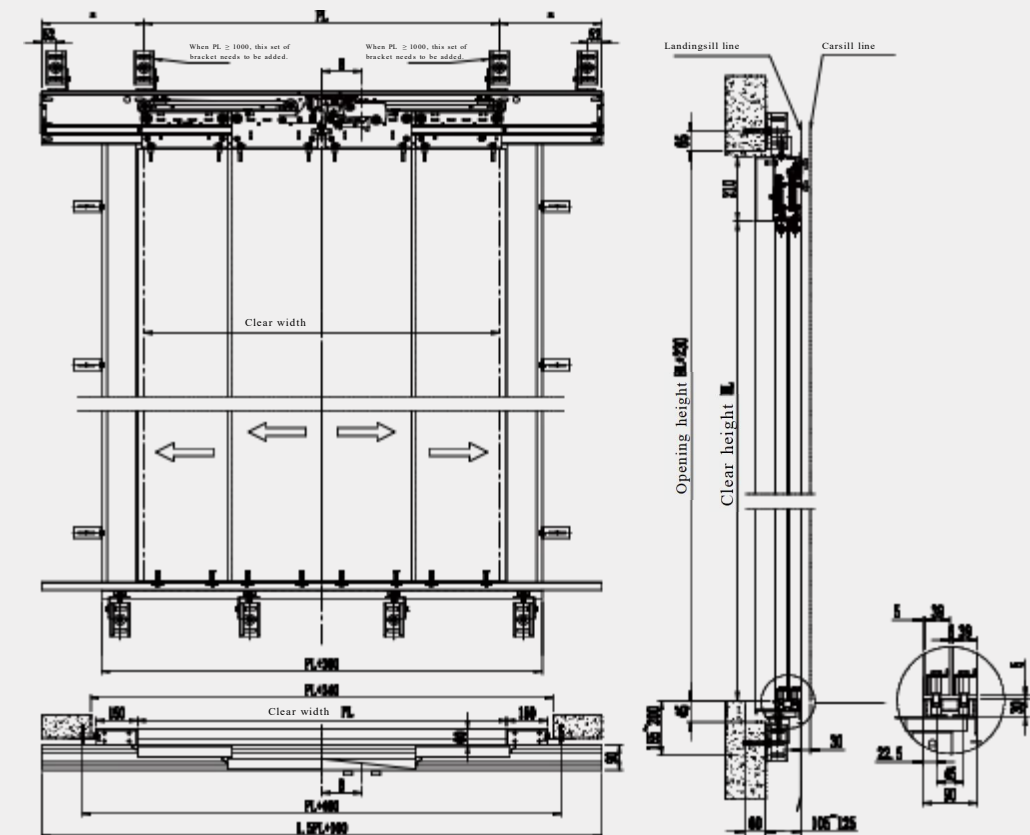


## Description

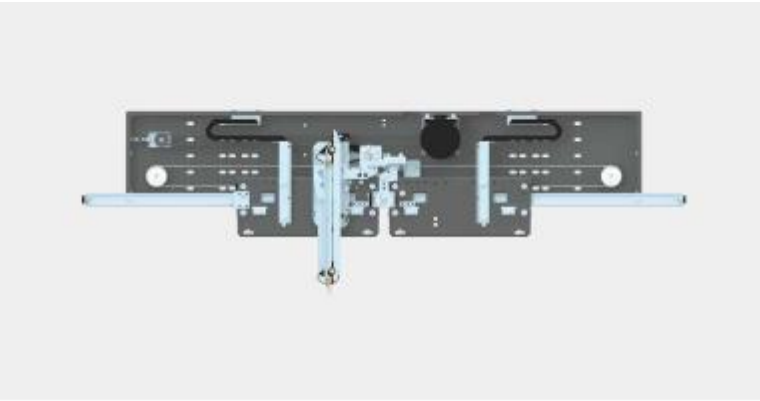
- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The system is in line with the trend of energy conservation and environmental protection. The European interfaces and door vanes with bilaterally-located gateballs meet European market needs.
- The landing doors are easy to install and adjust. Closing springs are adopted for great self-closing performance.

## Technical Specifications

HL	HL = 2000 ~ 2400																			
PL	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	
B	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	
Min. floor height	HL + 480																			
Landing door track	Independent track												Landing door space		≥ 105					
Door plate	1.2 mm cold rolled sheet; thickness: 39 mm (optional: +0.6 mm stainless steel outer covering)																			
Door jamb	50×70 Optional: 35×50/60×120																			
Sill	90; slot width: 14.8																			
Forced door close	Spring																			
IP rating	IP20																			



J2511 Two-Panel Center Opening Window-Type Car Doors

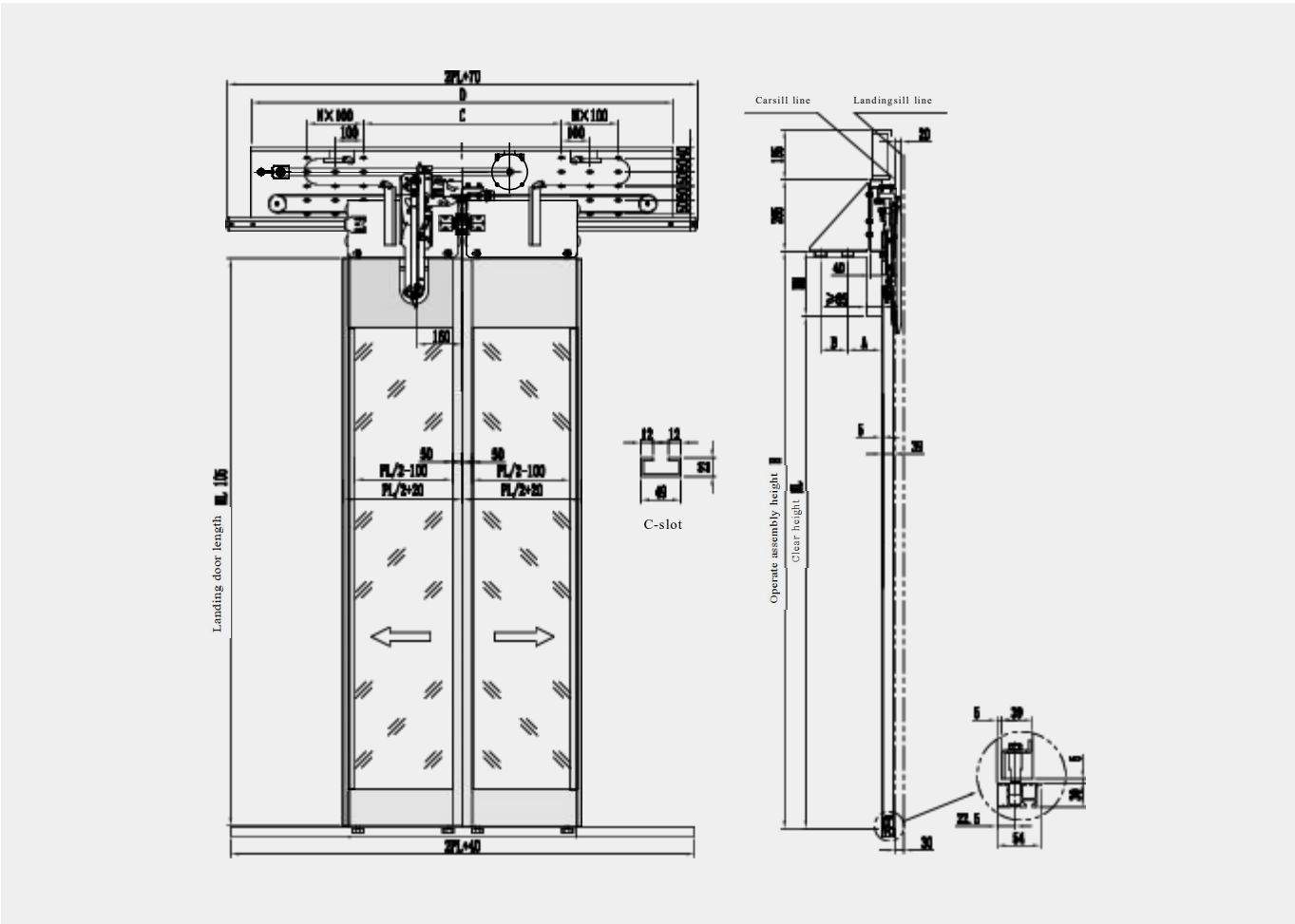


Description

- Gateballs are located outside the door vanes. Synchronous transmission is adopted for simple mechanical structure, reduced mechanical failures, and greatly improved reliability. The entire system is light and easy to install and maintain.
- Closed-loop control and real-time control of running speed and position are available. Functions of traditional travel switch, bow-shaped metal part, and cam switch are integrated on software.
- The excellent auto-tuning function and built-in optimized operation curve greatly simplifies commissioning.
- Part commonality is high, reducing inventory needs and operating costs.

Technical Specifications

HL	HL = 2000 ~ 2300					
PL	700	800	900	1000	1100	1200
Default value	HM = 240		A = 125		B = 115	
C	700	700	800	900	1000	1000
D	1400	1500	1600	1700	1800	1900
N	2					
Car door space	≥ 95			Car door track	Independent reinforced track	
Door vane	Integrated with car door locks			Belt	12 mm/S5M	
Belt pulley	Φ24.5			Sill	54; slot width: 14.8	
IP rating	IP20					



T2200 Two-Panel Center Opening Window-Type Landing Doors

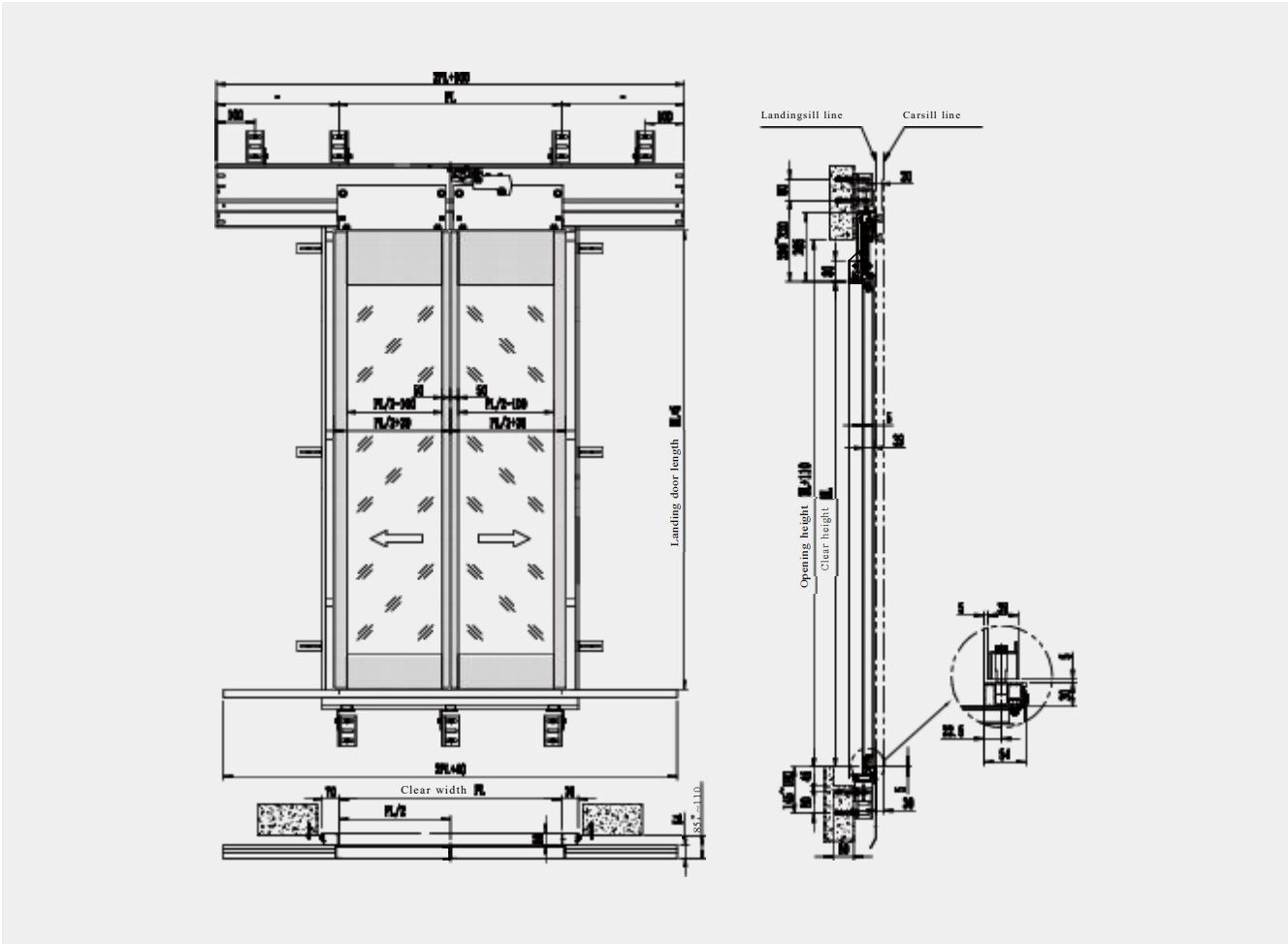


Description

- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The European interfaces and door vanes with bilaterally-located gateballs enable the doors to open and close smoothly.
- The landing doors are easy to install and adjust. Springs are adopted for great self-closing performance.

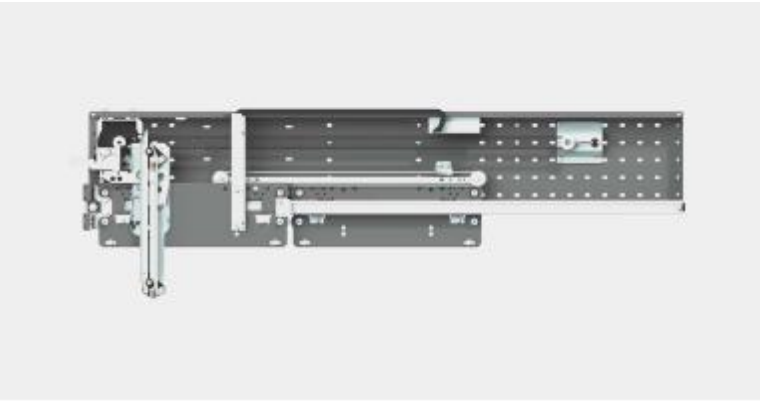
Technical Specifications

HL	HL = 2000 ~ 2300					
PL	700	800	900	1000	1100	1200
Landing door space	≥ 85					
Min. floor height	HL + 540					
Landing door track	Independent track					
Door plate	39; glass door with large window (5+5+4)					
Door jamb	50×70 Optional: 35×50/60×120					
Sill	54; slot width: 14.8					
Forced door close	Spring					
IP rating	IP20					





J2511 Two-Panel Side Opening Window-Type Car Doors

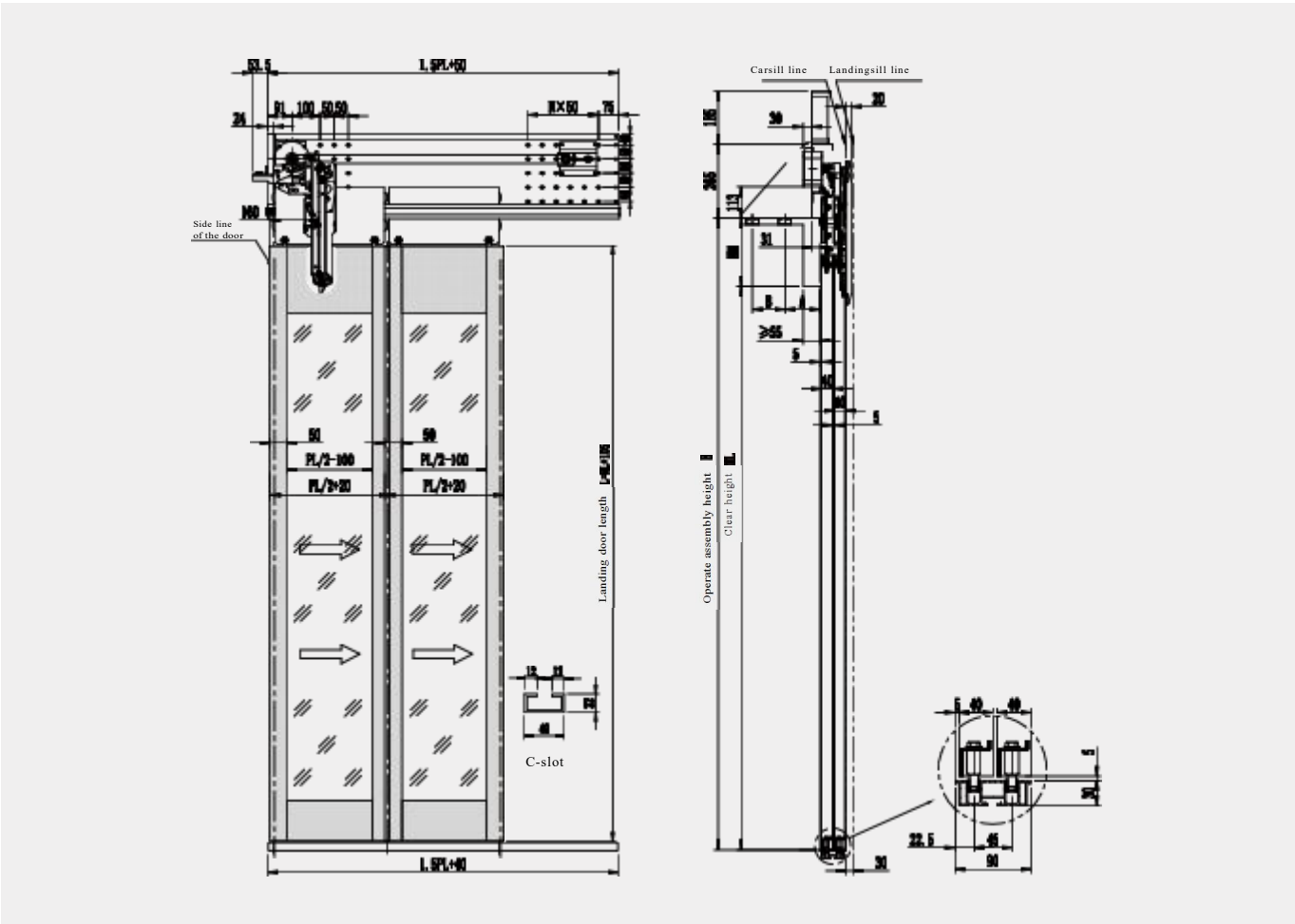


Description

- Gateballs are located outside the door vanes. Synchronous transmission is adopted for simple mechanical structure, reduced mechanical failures, and greatly improved reliability. The entire system is light and easy to install and maintain.
- Closed-loop control and real-time control of running speed and position are available. Functions of traditional travel switch, bow-shaped metal part, and cam switch are integrated on software.
- Part commonality is high, reducing inventory needs and operating costs.
- The closing safety force is adjustable, fully protecting the equipment integrity and personnel safety.

Technical Specifications

HL	HL = 2000 ~ 2300							
PL	700	800	900	1000	1100	1200		
Default value	HM = 240		A = 125		B = 115			
N	5	6	6	7	8	8		
Car door space	≥ 120			Car door track	Independent reinforced track			
Door vane	Integrated with car door locks							
Belt	12 mm/S5M							
Belt pulley	Φ24.5							
Sill	90; slot width: 14.8							
IP rating	IP20							



T2200 Two-Panel Side Opening Window-Type Landing Doors

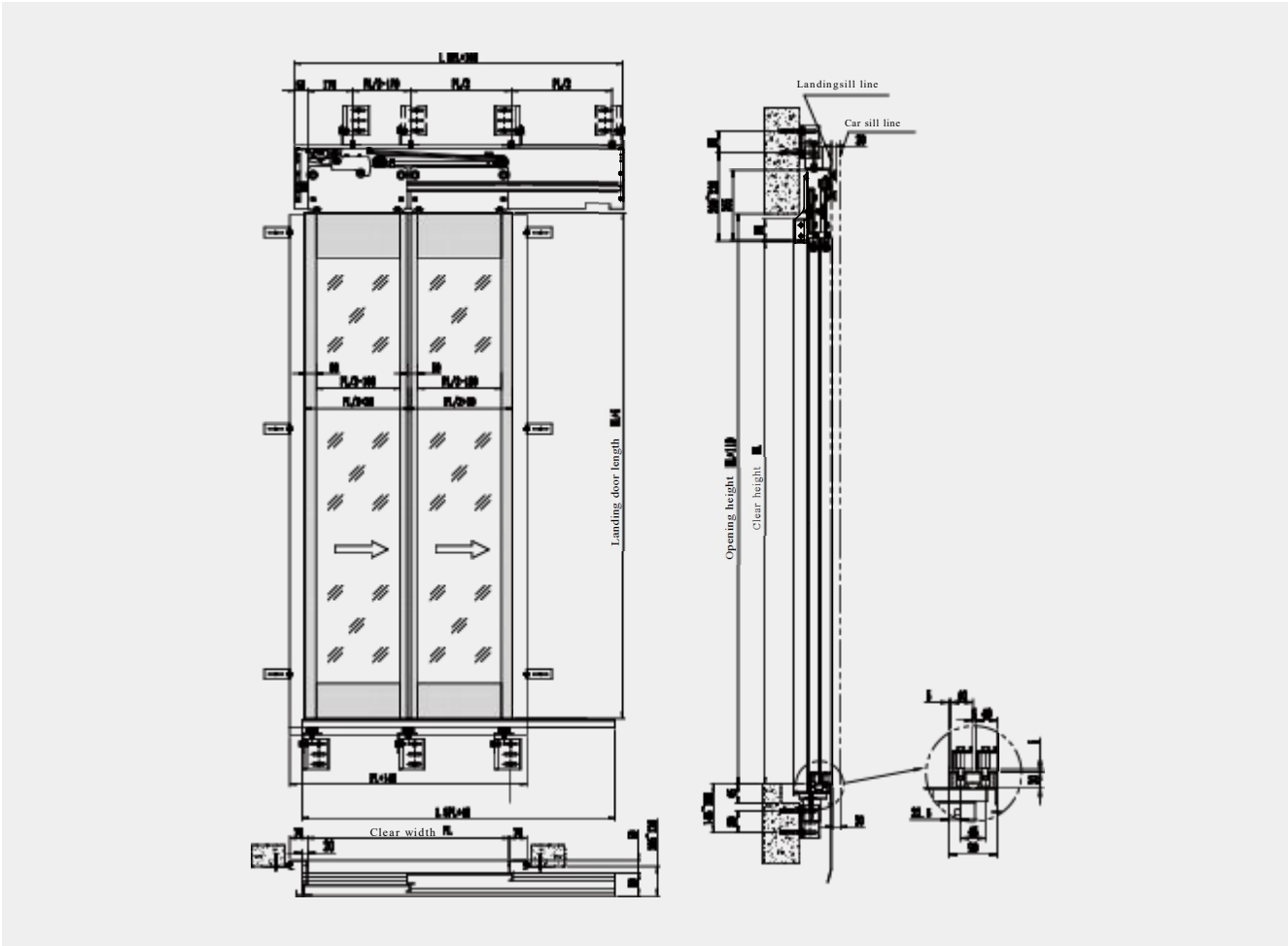


Description

- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The European interfaces and door vanes with bilaterally-located gateballs enable the doors to open and close smoothly.
- The landing doors are easy to install and adjust. The novel design with closing springs delivers great self-closing performance.

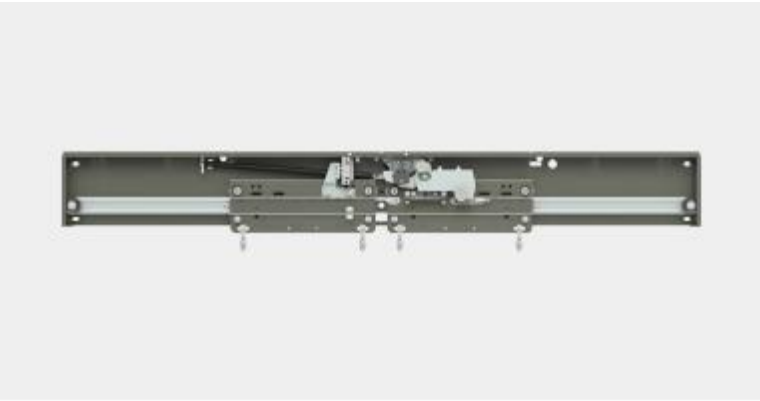
Technical Specifications

HL	HL = 2000 ~ 2300					
PL	700	800	900	1000	1100	1200
Landing door space						
Min. floor height	HL + 540					
Landing door track	Independent track					
Door plate	39; glass door with large window (5+5+4)					
Door jamb	50×70 Optional: 35×50/60×120					
Sill	90; slot width: 14.8					
Forced door close	Spring					
IP rating	IP20					





T2203 Two-Panel Center Opening Fireproof Landing Doors

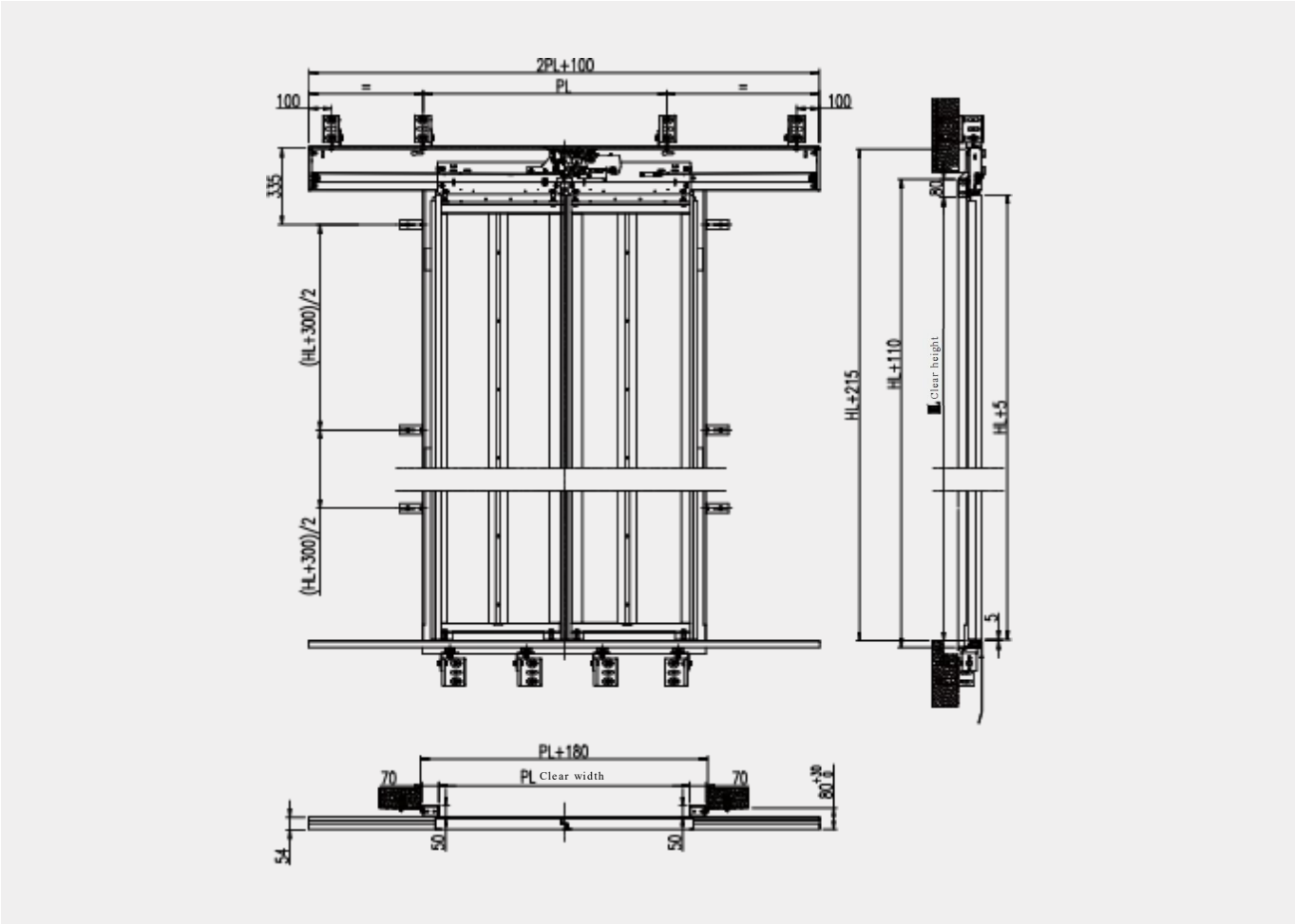


Description

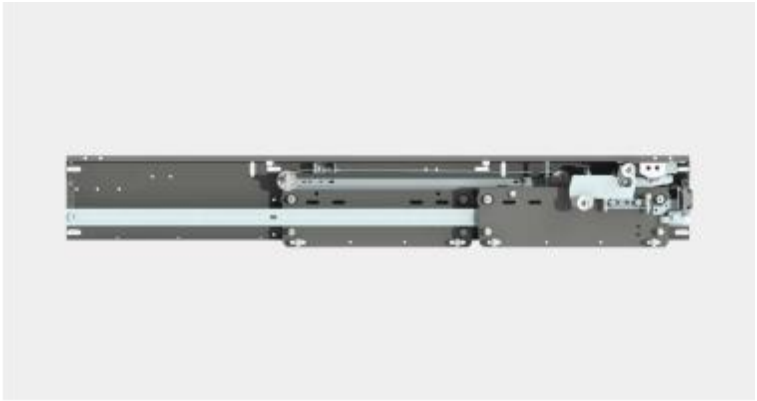
- The system complies with the GB/T 27903 E120/EI120 and EN81-58 E120/EI120 and gost 30247.3 EI60 fire test requirements.
- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The European interfaces and door vanes with bilaterally-located gateballs enable the doors to open and close smoothly.
- The landing doors are easy to install and adjust. Closing springs are adopted for great self-closing performance.

Technical Specifications

HL	HL = 2000 ~ 2500						
PL	700	800	900	1000	1100	1200	1300
Landing door space	≥ 85						
Min. floor height	HL + 480						
Landing door track	Independent track						
Door plate	49						
Door jamb	50×70 Optional: 60×120						
Sill	54; slot width: 14.8						
Forced door close	Spring						
IP rating	IP20						



T2203 Two-Panel Side Opening Fireproof Landing Doors

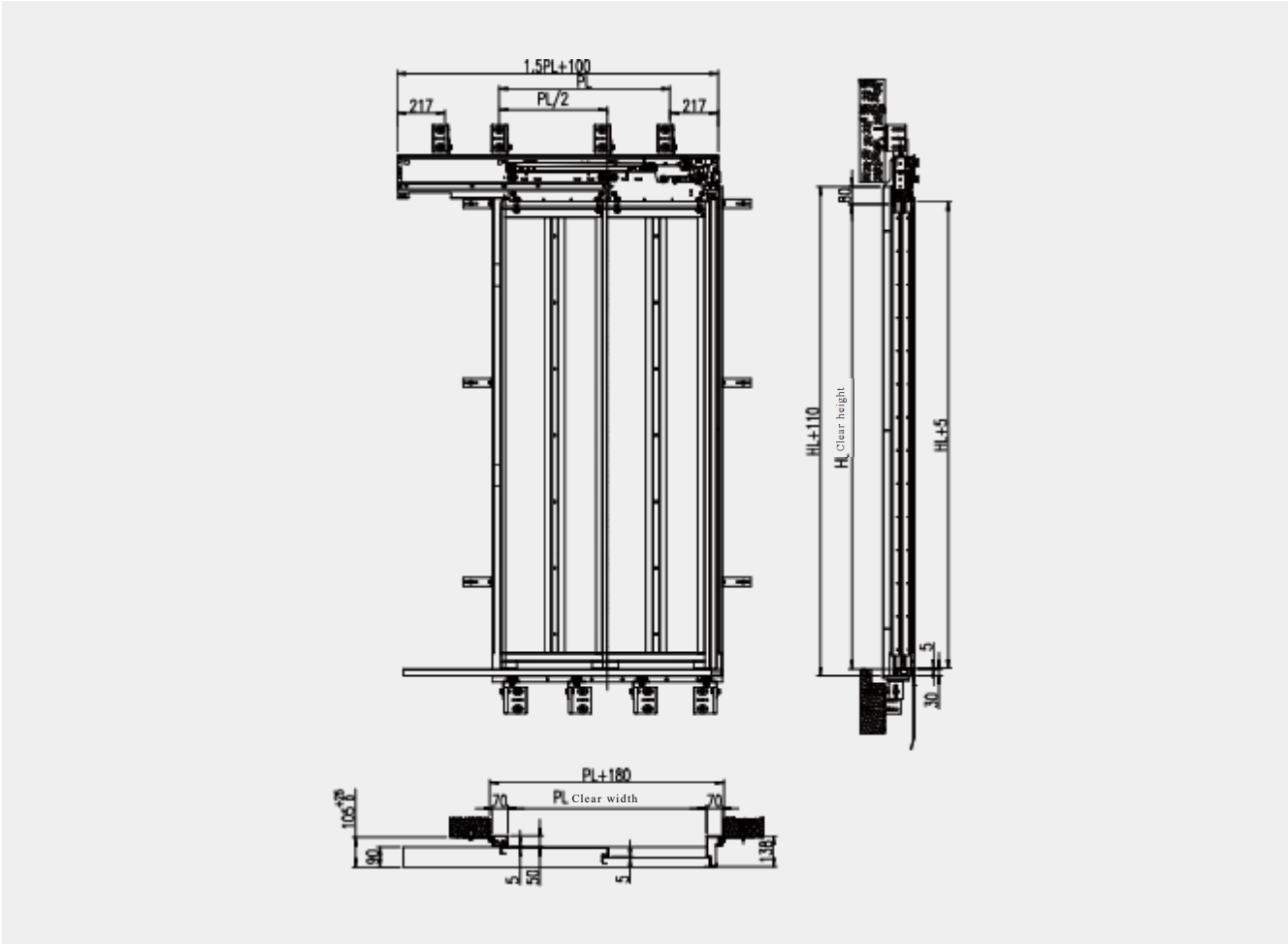


Description

- The system complies with the GB/T 27903 E120 and EN81-58 E120/EI120 and gost 30247.3 EI60 fire test requirements.
- The system complies with the GB/T 7588-2020 and EN81-20/50 standards.
- The European interfaces and door vanes with bilaterally-located gateballs enable the doors to open and close smoothly.
- The landing doors are easy to install and adjust. Closing springs are adopted for great self-closing performance.

Technical Specifications

HL	HL = 2000 ~ 2500						
PL	700	800	900	1000	1100	1200	1300
Landing door space	≥ 105						
Min. floor height	HL + 480						
Landing door track	Independent track						
Door plate	39						
Door jamb	50×70 Optional: 60×120						
Sill	90; slot width: 14.8						
Forced door close	Spring						
IP rating	IP20						



Japanese Doors

GB/T 7588  
GB/T 27903  
EN81-20/50  
EN81-58

J5801 Two-Panel Center Opening Car Doors

(\*Details on pages 13-14)



T3200 Two-Panel Center Opening Landing Doors

Shine Home Elevator Car Doors

(\*Details on pages 15-16)



Bright Home Elevator Landing Doors



Easy Setup

The new brackets are easy to install and adjust, improving installation efficiency and saving man-hours. Commissioning is easy with the one-click auto-tuning feature.



Compact Size

The landing door space, car door space, and door operator thickness are reduced to improve the shaft utilization rate.



High Reliability

The door operators adopt independent tracks and large-diameter pulleys to avoid repeated door close and door vane retraction upon power failure. Landing doors feature high mechanical strength and anti-derailment design.



High Compatibility

Either European or Japanese standard interface, either center opening mode or side opening mode, the system supports popular control systems and features high aftermarket adaptability.

## J5801 Two-Panel Center Opening Car Doors

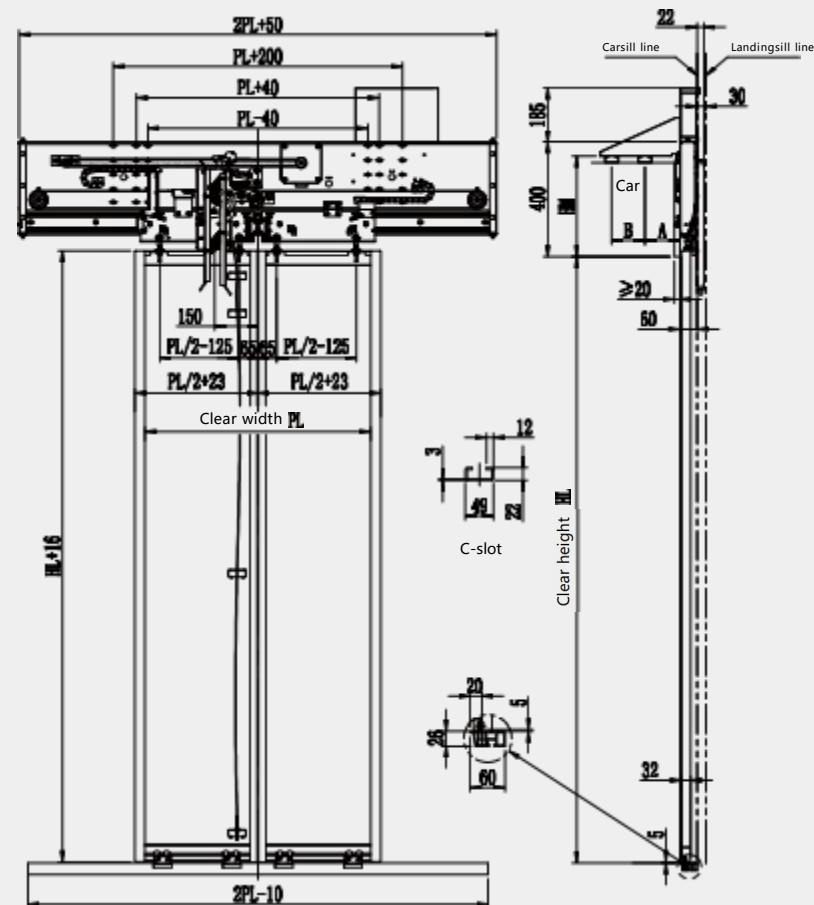


### Description

- The 62 mm ultra-thindoor operator saves space.
- High-strength dual-S track is used.
- Anti-derailment and anti-jump designs ensure safety and reliability.
- The synchronous door vanes employ different knife moving distances, providing good fault tolerance.
- Standard Japanese interfaces provide good compatibility.

## Technical Specifications

HL	HL = 2000 ~ 2400										
PL	700	750	800	850	900	950	1000	1050	1100	1150	1200
Default value	0 < HM ≤ 600				A = 155				B = 115		
Car door space	≥ 80										
Car door track	Independent track										
Door vane	Synchronous door vane										
Belt	12 mm/S5M										
Belt pulley	Φ30.87										
Sill	60; slot width: 12										
IP rating	IP20										



## T3200 Two-Panel Center Opening Landing Doors

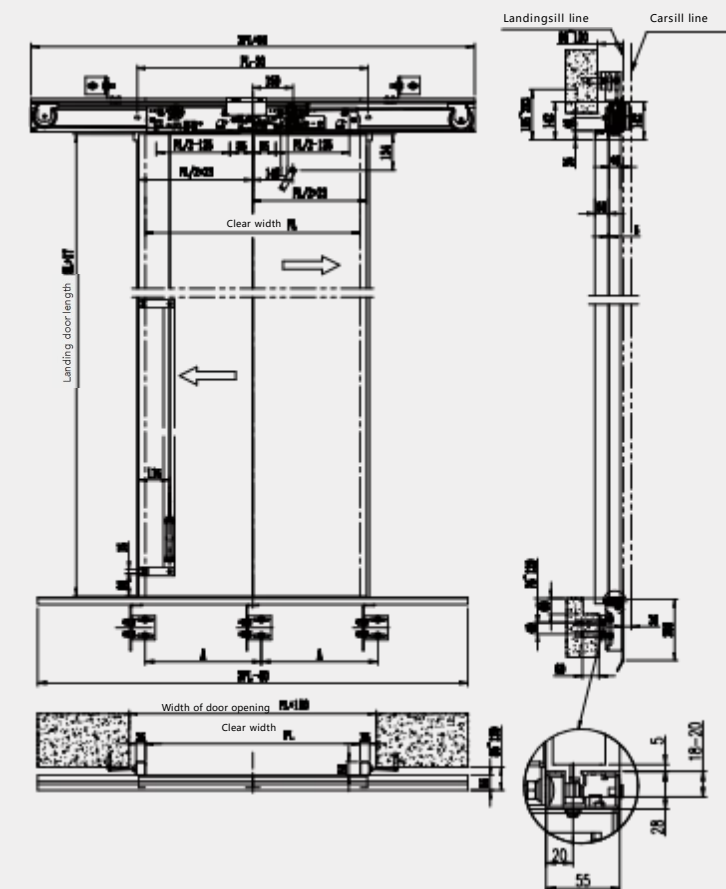


### Description

- The compact structure saves space and makes installation easy.
- High-strength dual-S track is used.
- Anti-derailment, anti-jump, and connecting-plate interlock designs ensure reliability and enhance safety protection.
- The door close system adopts concealed closing weight for stability and reliability.
- Japanese interfaces provide good compatibility.

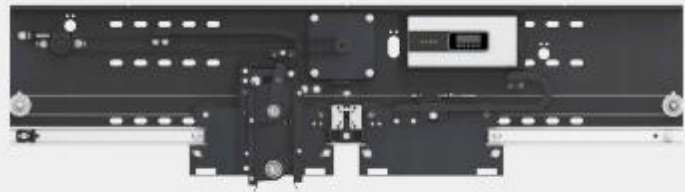
## Technical Specifications

HL	HL = 2000 ~ 2400										
PL	700	750	800	850	900	950	1000	1050	1100	1150	1200
Landing door space	≥ 80										
Min. floor height	HL + 465										
Landing door track	Integrated track										
Door plate	1.0 mm cold rolled sheet+0.6 mm stainless steel outer covering; thickness: 39 mm										
Door jamb	35×50 optional: 50×70										
Sill	55; slot width: 12										
Forced door close	Closing weight										
IP rating	IP20										





## SHINE Home Elevator Car Doors

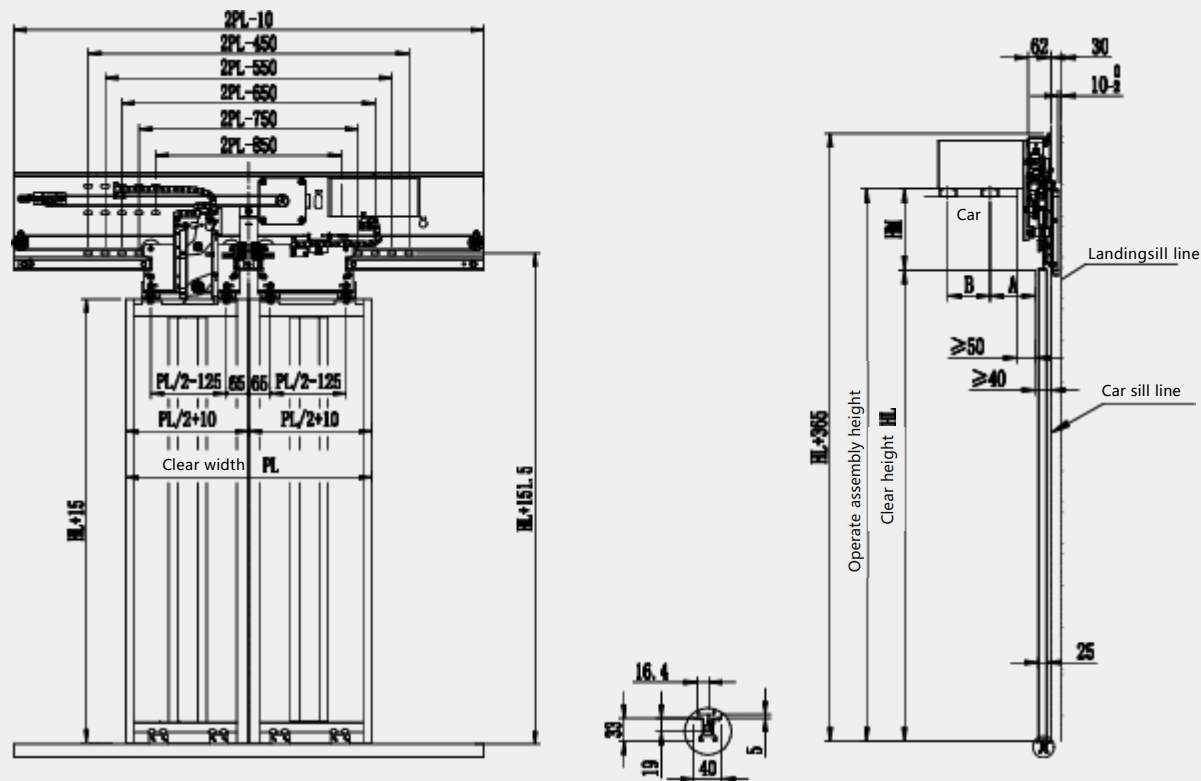


### Description

- The system is designed for the home elevator market to meet various interface requirements with high adaptability.
- The 40 mm universal car door/landing doorsill improves shaft utilization rate; the permanent magnet synchronous motor saves energy and improves efficiency.
- Inovance AD20 controller is compact and supports concealed installation, reducing the height of the door operator.
- Commissioning can be done through the control panel or the mobile app that is user-friendly and versatile.
- The system is upgraded with additional door open/close time options, enhanced user experience, stable operation, high comfort, and noise reduction ( $\leq 45$  dBA).

## Technical Specifications

HL	HL = 1900 ~ 2100						
PL	600	650	700	750	800	850	900
Default value							
Car door space	≥ 62						
Car door track	Independent track						
Door vane	Synchronous door vane						
Belt	12 mm/S5M						
Belt pulley	Φ25.46						
Sill	40; slot width: 12						
IP rating	IP20						



## SHINE Home Elevator Landing Doors

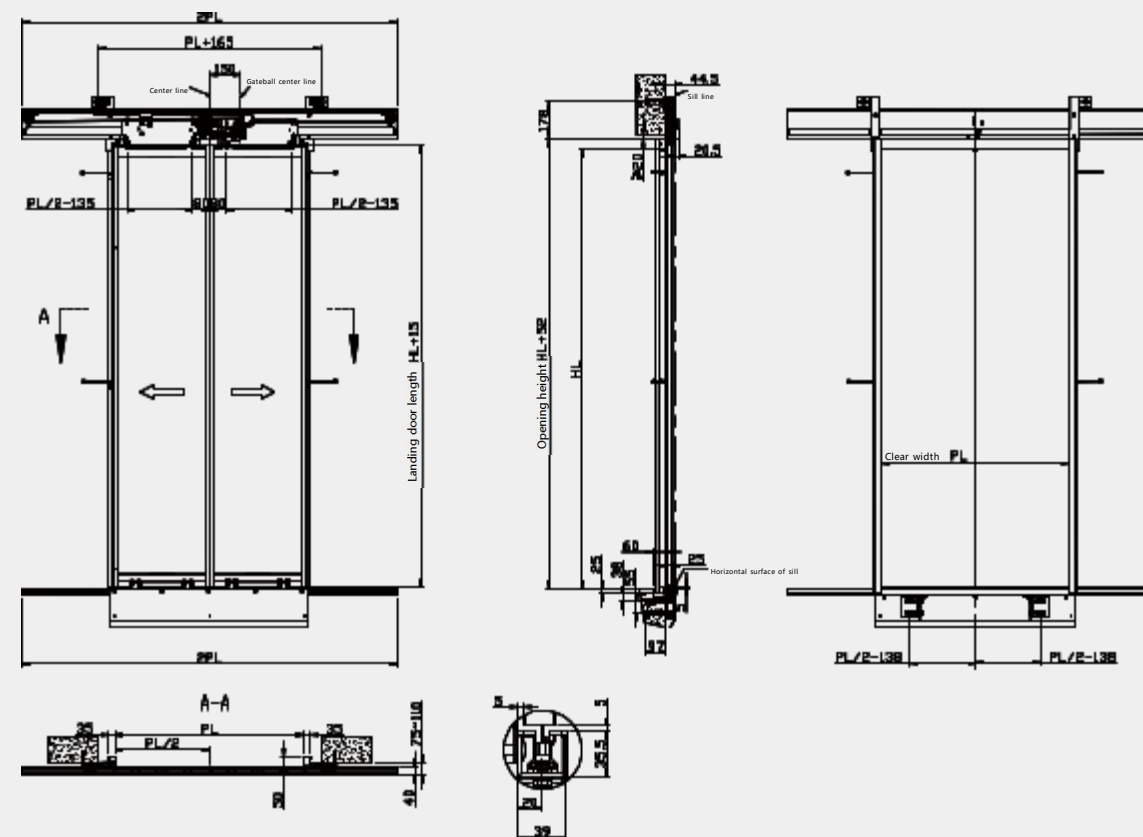


### Description

- The overall thickness of the landing door is only 40 mm, reducing the space demand by 50% and improving the shaft utilization rate.
- The synchronous door vanes employ different knife moving distances what can be adjusted within 15 mm; the modular door lock supports separate adjustment of the gateballs within 9 mm.
- Parts are highly standardized, saving assembly hours and improving productivity.
- The installation method is optimized, with the door head being fixed by a single bracket, which is easy to install and adjust and saves man-hours by 40%.

## Technical Specifications

HL	HL = 1900 ~ 2100						
PL	600	650	700	750	800	850	900
Landing door space	≥ 40						
Min. floor height	HL + 600						
Landing door track	Single track						
Door plate	1.0 mm cold rolled sheet; thickness: 25 mm (optional: +0.6 mm stainless steel outer covering)						
Door jamb	50×35 optional: 50×70						
Sill	40 (ironclad aluminum); slot width: 12						
Forced door close	Spring (optional: closing weight)						
IP rating	IP20						



NICE900 Multipurpose Door Operator Controller



- Features
- High-performance DSP and advanced vector servo control technology are adopted, which can drive AC asynchronous motors and permanent magnet synchronous motors.
  - The controller can be widely applied in elevator doors, cold storage doors, and subway doors to realize speed control and distance control.
  - The intelligent protection function cuts power off to avoid pinching passengers.
  - The one-key auto-tuning function makes commissioning easy.

Technical Specifications

Rated power	200 W/400 W
Operating voltage	Single phase, 220 VAC±10%, 50 Hz/60 Hz
Output current	1.3 A/2.3 A
DODC input	Door open, door close, slow close, fire emergency, door close limit
DODC output	Door open limit, door close limit, locked rotor, failure
CAN bus input	Optional for CAN communication
CAN bus output	Optional for CAN communication
Protection alarm	Over-voltage warning, under-voltage warning, locked rotor alarm, hase-to-phase short circuit protection, anti-pinch protection
IP rating	IP 20

Permanent Magnet Synchronous Motors



Features	Ultra-thin structure and flexible installation High efficiency and energy saving Maximum load of 120 kg	Large startup torque High efficiency and energy saving Maximum load of 160 kg	Slim Design High protection level High efficiency and energy saving Maximum load of 200 kg	Outer rotor structure High efficiency Maximum load of 300 kg
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Technical Specifications

Rated power	47	47	57	86
Rated voltage	90	125	90	220
Rated current	0.55	0.45	0.6	1.00
Rated torque	1.8	2.3	2.7	5
Rated speed	250	195	200	165
IP rating	IP44	IP44	IP54	IP44
Insulation class	F	F	F	F

BG221 Door Operater Drive



- Features
- **Ultra-thin Design**  
The product thickness is only 39mm,it can fitall kinds of installation.
  - **Safe And Reliable**  
It can finish debuggingand monitoring in car or machineroom by CAN communication 20 more early wariningand protection fundion, includingimpact prodof when power off
  - **Debugging Simply**  
one key learning function, debuggingconveniently. It can check the statuss by mobile phone and PAD, which bette for maintance.

The series of products adopt 32 bits ARM proccesser and intelligent power module.It has global unique ID number.And the encoder adopts BST proprietary intellectual property encoder technology.And ithas optimizing intelligent movement curve and door width self-correcting function.

Technical Specifications

Rated power		200 W
Operating voltage		single phase, 220VAC±20% 50/60Hz
Output current		1.7 A
DODC	Input signal	Door Open/Door Close/Low-Speed Door Close/Reserved
Mode	Output signal	Door Open Limit/Door Close Limit/Obstruction/Fault
CAN bus	Input signal	Light Curtain/Inspection/Reserved
Mode	Output signal	CANH/CANL/GND
Protect		overvoltage,overspeed warning, obstructionwarning, commnicationerror. etc
IP Grade		IP 20

