

- Two-layer type
- Three-layer type
- Multi-layer type



Vehicle Type Code	length*width*height of Vehicle (mm)	weight (kg)
x	≤4400 × 1750 × 1450	≤1300
z	≤4700 × 1800 × 1450	≤1500
d	≤5000 × 1850 × 1550	≤1700
t	≤5300 × 1900 × 1550	≤2350
c	≤5600 × 2050 × 1550	≤2550
k	≤5000 × 1850 × 2050	≤1850



▶ **Operation Principle;**

Except the top floor, each floor has a spare parking space and front-rear guide rails. Each parking space has a pallet which moves horizontally on the guide rail. The pallets on the top floor make up-down movements while the ones on the ground floor make left-right horizontal movements. The other ones can move either left to right or up and down. Through continuous space shift, parking and fetching a vehicle out can be carried out.

▶ **Character**

- Can be built according to the customer's requirements, from 2 to 5-layer, multi-layer or multi-space types are all possible
- Low cost, easy maintenance
- Simple demand of earthwork. Wide applicability, can be arranged and combined according to variety landform and extensively suitable for construction and reconstruction of overground and underground garage

▶ **Main Structure:**

- Steel Structure
- Pallet
- Moving System
- Control System
- Safe-guard System

[Two-layer type]



▶ Operation Principle:

The top pallets can make up-down move while the ground pallets only need to move left to right. There is a spare parking space on the ground floor whose position can be changed right under the vehicle needing to be out through driving system. Vehicles on the ground pallet can go in and out of parking system directly.

▶ Character:

- Making full use of parking space, increase quantity of parking Vehicles. Especially suitable for living district and reconstruction of underground garage.
- Both combining and modular installation are possible, can meet all kinds of requirements.
- PLC control easy operation, convenient parking. IC card, touch screen or button mode are all possible.
- Lifting system concludes Chain type, steel rope type fluid drive etc.



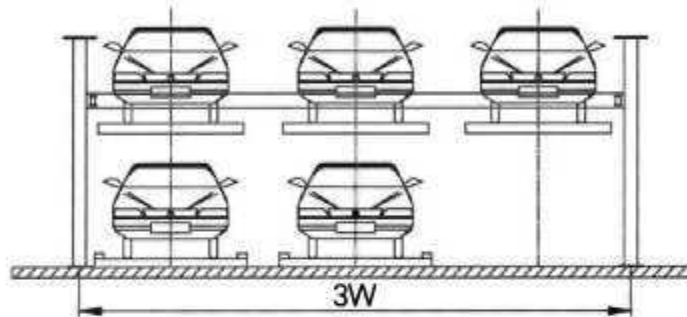
Steel wire rope



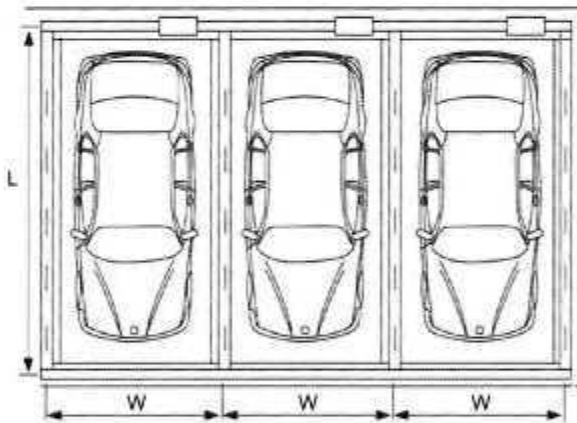
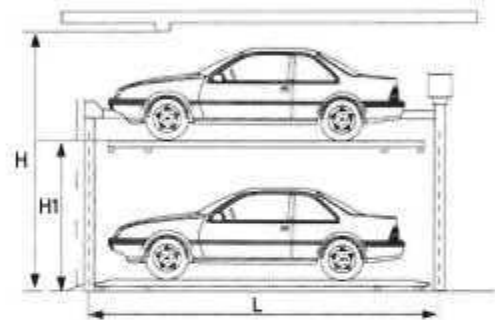
Rear cantilever (fluid drive)



Front-rear space



PSH5D type Frontal sketch map



Main Technical Data

System Size (mm)	L	5500	5800	5800	5500	5200	4800
	W	2400	2500	2500	2400	2300	2300
	H1	2360	2010	2010	2010	2010	2010
	H	3960	3610	3610	3610	3610	3610
Suitable for Vehicle Type	Vehicle type K	Vehicle type T	Vehicle type T	Vehicle type D	Vehicle type Z	Vehicle type X	
Qty of the Parking Vehicles	2n-1 (N is the Qty of Parking vehicles of the top layer)						
Elevating motor	2.2kw						
Horizontal-moving motor	0.2kw						
Elevating speed	6m/min						
Horizontal-moving speed	8m/min						
Max. noise	≤60dB (A)						
Max. time for fetching vehicle out	40s						
Drive way of elevating	Roller chain /steel wire rope						
Control	PLC						
Operation	button/touch screen/IC card						
Power	3N.AC,380V,50Hz						

[Three-layer type]

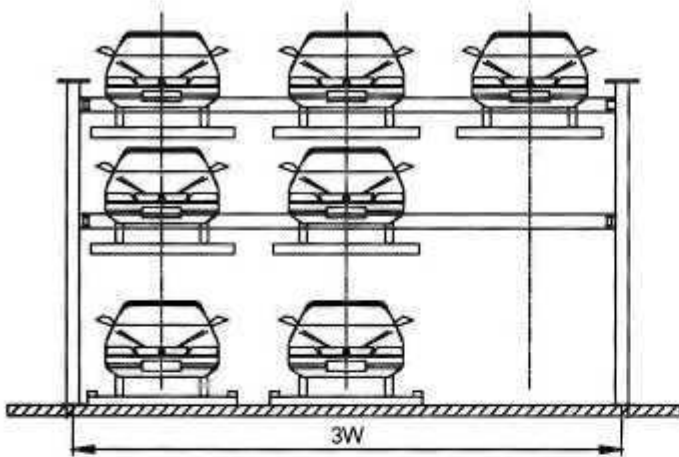


▶ Operation Principle

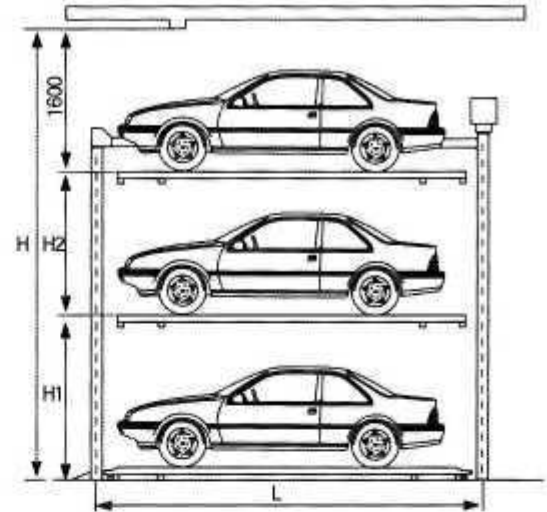
The top pallets need only to move up and down, and the ground pallets need only to move left to right while the middle pallets both can make up-down and right-left move.

▶ Character

- Low cost, easy maintenance
- Simple demand of earthwork, suitable for construction and reconstruction of overground and underground garage

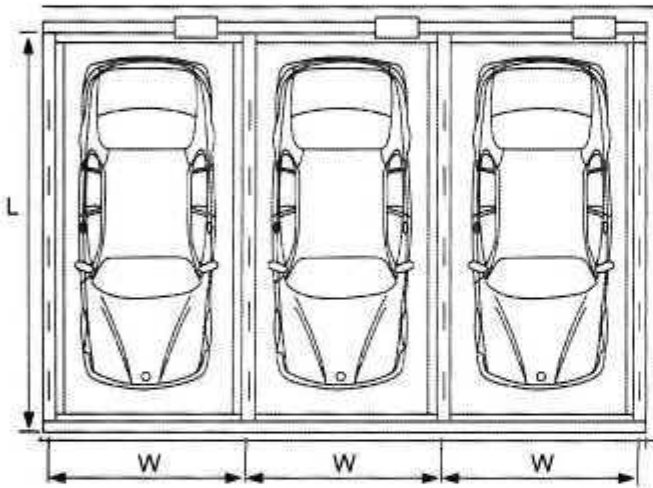


PSH7D-2K type Frontal sketch map

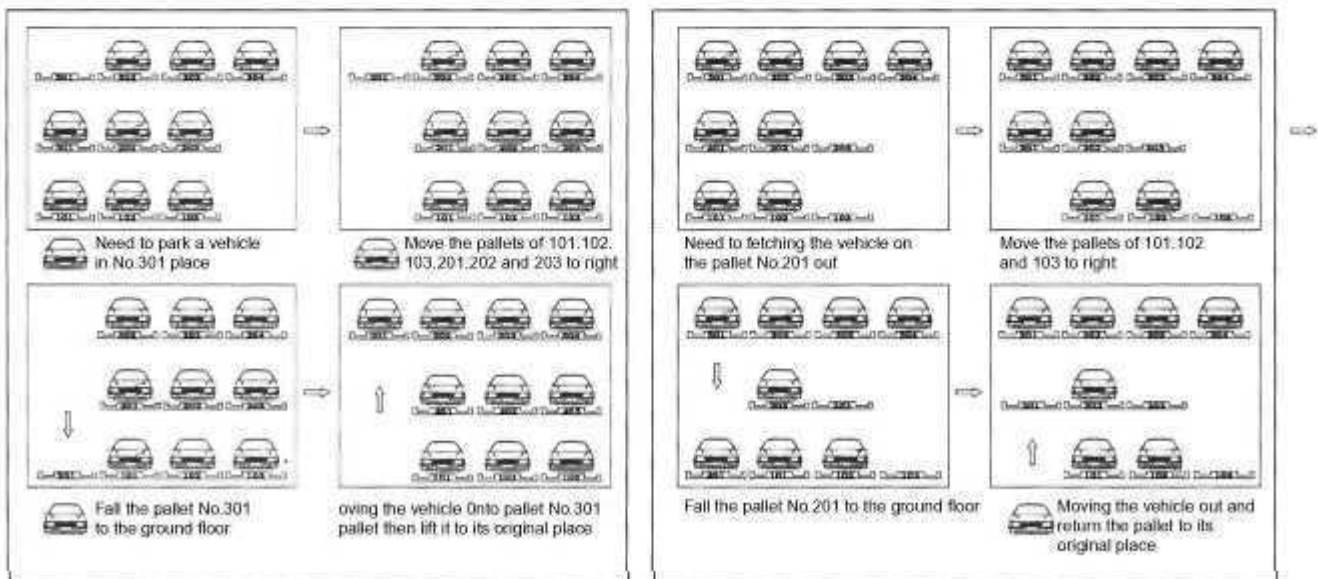


Main Technical Data

System Size (mm)	L	6000	6200	6000	5500	5200
	W	2500	2600	2500	2450	2400
	H2	1680	1680	1680	1680	1680
	H1	2360	2010	2010	2010	2010
	H	5640	5290	5290	5290	5290
Suitable for Vehicle Type	Vehicle type K/Vehicle type T / Vehicle type D/Vehicle type Z/Vehicle type X					
Qty of the Parking/Vehicles	3n-2 (N is the Qty of Parking vehicles of the top layer)					
Elevating motor	2.2kw					
Horizontal-moving motor	0.4kw					
Elevating speed	6m/min					
Horizontal-moving speed	8m/min					
Max. noise	≤60dB (A)					
Max. time for fetching vehicle out	60s					
Drive way of elevating	Roller chain /steel wire rope					
Control	PLC					
Operation	button/touch screen/IC card					
Power	3N.AC,380V,50Hz					



Flow chart of parking and fetching vehicles



[Five-layer type]

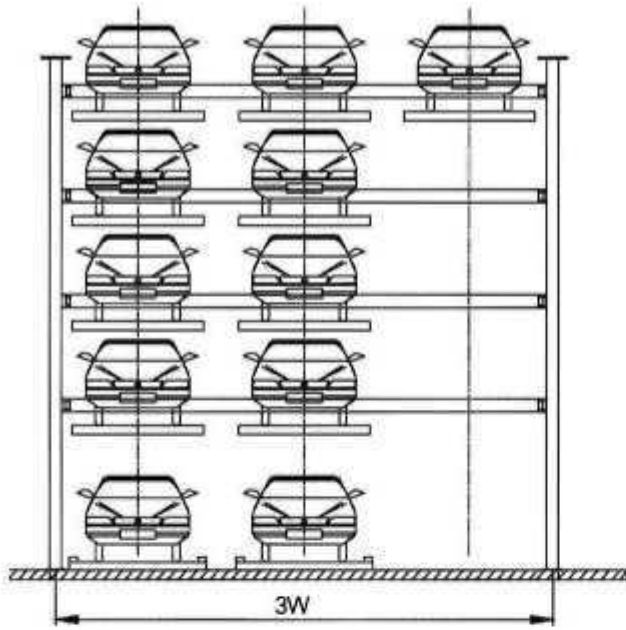


Operation Principle

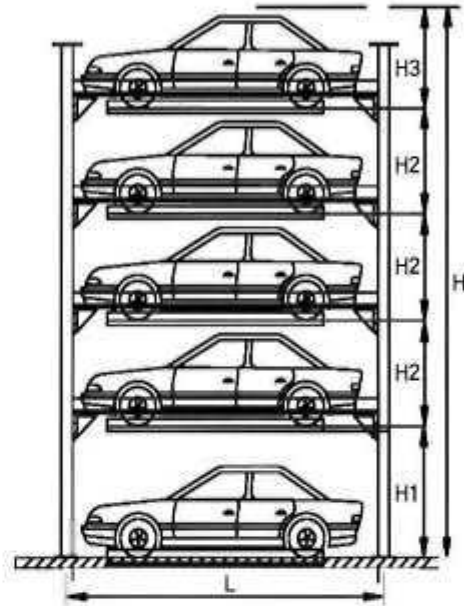
The top pallets can move up and down while the pallets of from the second to the fourth floor can move either left to right or up and down. There is a spare parking space on from the second to Fourth floor whose position can be changed through the horizontal shift of the pallet. Then the top pallet right over the spare parking space can go down to the ground floor. Vehicles on the ground pallet can go in and out of the parking system directly.

Character

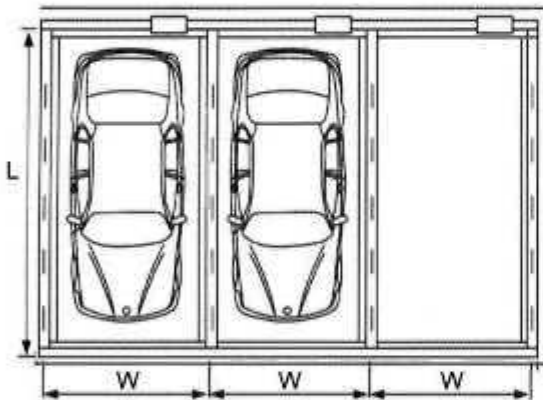
- Multiple parking cars to the limited parking space, save a great deal of space
- PLC control, easy operation, convenient parking. IC card, touch screen, or button mode are all possible.
- 4—point suspending wire rope for driving system. stable movement ensure the safety of the up and down of the vehicles.
- Falling-proof system increase the safety of the system, avoid accident
- Photoelectric checking system which controls vehicle standard and parking place
- Photoelectric security checking, automatically stop when people goes in by accident
- Emergency stop push button, avoid accident
- High quality steel , inside and outside thermal-galvanization, imported electric control components
- High security and wear well.



PSH11D-2K type Frontal sketch map



Sketch map of the elevating and horizontal moving



Main Technical Data

System Size (mm)	L	6200	6400	6200	6000	5500
	W	2600	2700	2600	2500	2400
	H1	2360	2010	2010	2010	2010
	H2	1680	1680	1680	1680	1680
	H3	1600	1600	1600	1600	8650
	H	9000	8850	8650	8650	8650
Suitable for Vehicle Type		Vehicle type K	Vehicle type T	Vehicle type D	Vehicle type Z	Vehicle type X
Qty of the Parking Vehicles	5n-4 (N is the Qty of Parking vehicles of the top layer)					
Elevating motor	2.2kw					
Horizontal-moving motor	0.4kw					
Elevating speed	6.7m/min					
Horizontal-moving speed	8m/min					
Max. noise	≤60dB (A)					
Max. time for fetching vehicle out	90s					
Drive way of elevating	Roller chain /steel wire rope					
Control	PLC					
Operation	button/touch screen/IC card					
Power	3N,AC,380V,50Hz					

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two cars underground



three cars underground



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