EURO AUTOMATED CAR PARK & LIFT SYSTEMS LTD

PSH Vertical-Horizontal Parking System

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

<table>
<thead>
<tr>
<th>Vehicle Type Code</th>
<th>Length x Width x Height of Vehicle (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>x</td>
<td>≤4400 x 1750 x 1450</td>
<td>≤1300</td>
</tr>
<tr>
<td>z</td>
<td>≤4700 x 1800 x 1450</td>
<td>≤1500</td>
</tr>
<tr>
<td>d</td>
<td>≤5000 x 1850 x 1550</td>
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</tr>
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<td>t</td>
<td>≤5300 x 1900 x 1550</td>
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<tr>
<td>c</td>
<td>≤5600 x 2050 x 1550</td>
<td>≤2550</td>
</tr>
<tr>
<td>k</td>
<td>≤5000 x 1850 x 2050</td>
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</tbody>
</table>
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
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.
Main Technical Data

<table>
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<tr>
<th>System Size (mm)</th>
<th>L</th>
<th>5500</th>
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<tr>
<td>Suitable for Vehicle Type</td>
<td>Vehicle type K</td>
<td>Vehicle type T</td>
<td>Vehicle type T</td>
<td>Vehicle type D</td>
<td>Vehicle type Z</td>
<td>Vehicle type X</td>
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<tr>
<td>City of the Parking Vehicles</td>
<td>2n-1 (N is the City of Parking vehicles of the top layer)</td>
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</table>

- Elevating motor: 2.2kw
- Horizontal moving motor: 0.3kw
- Elevating speed: 6m/min
- Horizontal moving speed: 8m/min
- Max. noise: ≤80dB (A)
- Max. time for fetching vehicle out: 40s
- Drive way of elevating: Roller chain added wire rope
- Control: PLC
- Operation: autotouch, screw/wc card
- Power: 3N, AC, 380V, 50Hz
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
Flow chart of parking and fetching vehicles

Main Technical Data

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<tr>
<th></th>
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Suitable for Vehicle Type: Vehicle type 1 & Vehicle type 2

City of the Parking Vehicles: 3N-2 (N is the City 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: ≤68dB (A)

Max. time for fetching vehicle out: 60s

Drive way of elevating: Roller chain/steel wire rope

Control: PLC

Operation: button/mouse/ screen/PC card

Power: 3N, AC 380V, 50Hz

Flow chart of parking and fetching vehicles

1. Need to park a vehicle
2. Move the pallets of 101, 102, 103, 201, 202, and 203 to right
3. Fall the pallet No. 301 to the ground floor
4. Driving the vehicle onto pallet No. 301 pallet then lift it to its original place

Need to fetching the vehicle on the pallet No. 201 out

5. Move the pallets of 101, 102, and 103 to right
6. Fall the pallet No. 301 to the ground floor
7. Move the vehicle out and return the pallet to its original place
[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 dear 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 safely 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 slop push button, avoid accident
• High quality steel, inside and outside thermal-galvanization, imported electric control components
• High security and wear well,
Main Technical Data

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<th>System Size (mm)</th>
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</tbody>
</table>

Suitable for Vehicle Type

<table>
<thead>
<tr>
<th>Vehicle type K</th>
<th>Vehicle type T</th>
<th>Vehicle type D</th>
<th>Vehicle type Z</th>
<th>Vehicle type X</th>
</tr>
</thead>
</table>

City of the Parking Vehicles: 6-4 (6 is the City of Parking vehicles of the top layer)

- Elevating motor: 2.2kW
- Horizontal-moving motor: 0.8kW
- Elevating speed: 1.7m/min
- Horizontal-moving speed: 80mm/min
- Max. noise: ≤80dB (A)
- Max. time for fetching vehicle out: 60s
- Drive way of elevating: Roller chain/ideal wire rope
- Control: PLC
- Operation: button/Touch screen/FC card
- Power: 3N, AC, 360V, 50Hz
Your partner to resolve your parking problems.

Safe, Secure, Burglar proof, 2 / 3 cars in the space of one.

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http://www.liftlogistics.com

Automatic Parking Systems