

## THREE LEVEL CAR PARKING SYSTEMS ( STACKER) AP2S

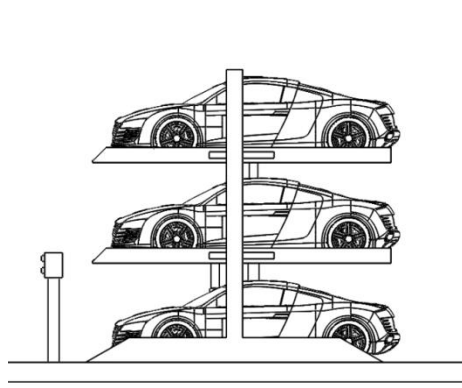


ARIHANT's three level car parking system providing dependent parking spaces for three cars one on top of the other each. The lower vehicle parks directly on the floor plate. The vehicle parked on the bottom must be driven out before lowering the platform. Parking space for three passenger cars one above the other It is based on hydraulic systems and The hi-tech mechanism has an innovative pallet that is lifted up and after that the car is loaded. Simple operation, An operating control pendant can be conveniently located anywhere in the garage, basements, and outdoor structures for operation from a safe distance.

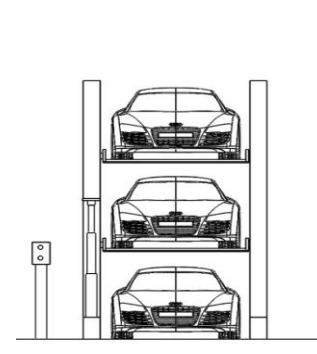
### General details

|                      |  |
|----------------------|--|
| Max load ( kgs )     | 2000kg   |
| Operation            | Dependant  |
| No. of parking slots | 3 cars.  |
| Working system       | Hydraulically driven with heavy duty chain /<br>Electrically Operated with two Cylinder  |
| Material used        | Mild steel , hot dipped galvanised   |
| Coating              | Powder coating / painting as per client requirement  |
| Motor                | Motor 2.5 hp   |
| Travel speed         | 40-45 sec  |
| Power source         | Main - AC 415V, 3 PH, 50 Hz & Lighting - AC 220V, 1 PH, 50 Hz  |
| Power consumption    | 0.03 units per operation (approx.)   |
| Operated with        | Push button operated with safety electric control panel<br>key locking system.   |
| Structure            | Two horizontal platforms for parking with front wedge per<br>parking operated on Two pillars with hoisting slide, dowels,<br>screws etc. Supported on the Ms base plate. |
| Safety systems       | Emergency Stopper, Pallet Stopper/Anti-Fall, Safety<br>Sensors, Cam Limit Switch, photo sensor.  |
| Application          | Residential,Commercial,Hotels,Malls,hospital etc.  |

## Dimensions with layout



|                       |   |   |   |
|-----------------------|---|---|---|
| <b>Length</b>         | L 2 – 3800<br>L 1 – 4000                | L 2 – 4300<br>L 1 – 4500                | L 2 – 4500<br>L 1 – 4800                |
| <b>Width</b>          | 2500<br>mm                              | 2600<br>mm                              | 2800<br>mm                              |
| <b>Platform width</b> | L 2 – 1900<br>L 1 – 2000<br>Gr.l – 2100 | L 2 – 2000<br>L 1 – 2100<br>Gr.l – 2200 | L 2 – 2200<br>L 1 – 2300<br>Gr.l – 2400 |
| <b>Lifting height</b> | L 2 – 1800<br>L 1 – 1800<br>Gr.l – 1800 | L 2 – 1800<br>L 1 – 1800<br>Gr.l – 1800 | L 2 – 1800<br>L 1 – 1800<br>Gr.l – 1800 |



L2= second level, L1= first level , Gr.L= ground level.

## Technical specification

- systems stands on two steel pillars with base plates (mounted on the floor)
- Platform made of hot dipped galvanized corrugated floor plates to reduce dead weight & increase durability.
- with two sliding platforms (mounted on to the steel pillars with sliding bearings)
- Two platforms with different sizes.
- system is operated on mechanical control system (to ensure proper synchronous operation of the hydraulic cylinders while lowering and lifting the platform)
- Systems is lifted & lowered on bases of Two hydraulic cylinders.
- automatic hydraulic safety valve (prevents accidental lowering of the platform)
- Connecting elements, bolts, nuts, etc.

## To be performed by the customer

- Customer should provide a proper parking space allotted as per plan without any obstruction, open space on top should be more than 20ft. for three level parking.
- Civil work would be under clients scope For the foundation of the two level parking systems at the allotted space for system
- Lockable storage room should be provided at the site for storing tools, equipment's & other valuables needed during erection
- For electric supply , 3 phase, 415 V (±10%) 50 Hz (±2%) 4 wire (3 PH + N + PE) electrical 2 supply to the main power point and the control wire line (5 x 2.5 mm , copper 3 PH + N + PE) with marked wire and protective conductor must be provided by customer during installation.
- Railings and safety fences concerning the building structure.
- Additional small space should be allotted for installing the hydraulic power pack system.



