

TWO LEVEL CAR PARKING SYSTEMS (STACKER) AP2S

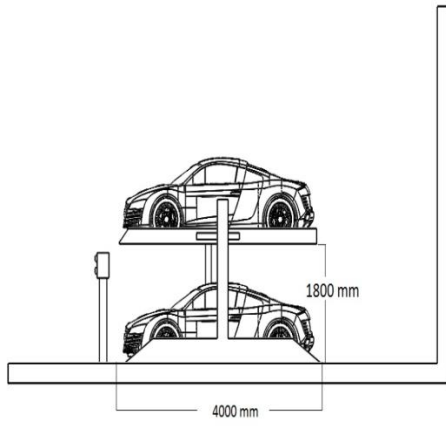


ARIHANT's two level car parking system provides parking space for two passenger cars one above the other. It is based on hydraulic systems. systems stands on two steel pillars with base plates and offers flexibility when installed in basements and garages. The platform is curved at the ends to allow the car to roll on / roll off conveniently from either side. An operating control pendant can be conveniently located anywhere in the garage, basements, and outdoor structures for operation from a safe distance.

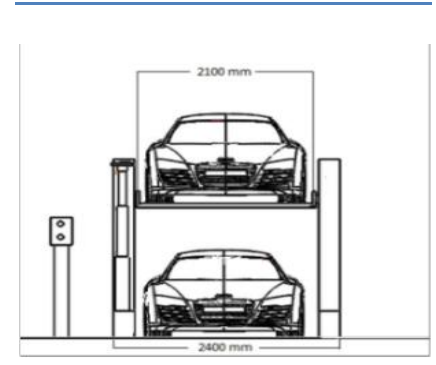
General details

Max load (kgs)	2000kg
Operation	Dependant
No. of parking slots	2 car.
Working system	Hydraulically driven with heavy duty chain / Electrically Operated
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 key locking system.
Structure	One horizontal platform for parking with one front wedge per parking operated on Two pillars with hoisting slide, dowels, screws etc. Supported on the Ms base plate.
Safety systems	Emergency Stopper, Pallet Stopper/Anti-Fall , Safety Sensors, Cam Limit Switch, photo sensor .
Application	Residential,Commercial,Hotels,Malls,hospital etc.

Dimensions with layout



Length	4000 mm	4500 mm	4800 mm
Width	2400 mm	2500 mm	2700 mm
Platform width	2100 mm	2200 mm	2700 mm
Lifting height	1800 mm	1900 mm	2000 mm



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)
- single platform .
- 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 single hydraulic cylinder
- 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.
- 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 ($\pm 10\%$) 50 Hz ($\pm 2\%$) 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.



