

THREE LEVEL PIT CAR PARKING SYSTEMS(STACKER) APP3S

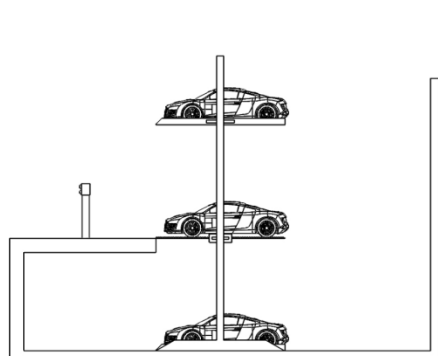


ARIHANT's three level pit parking system providing dependent parking spaces for three cars one on top of the other each. This systems uses three platforms, & two of which are interconnected the lower platform settles underground/into the pit and the upper level platforms movement is driven upwards and downwards independently. To take out upper or lower level car, entry-level car has to be driven out and parked elsewhere. Save land area and take full use of the underground space to raise more parking numbers.

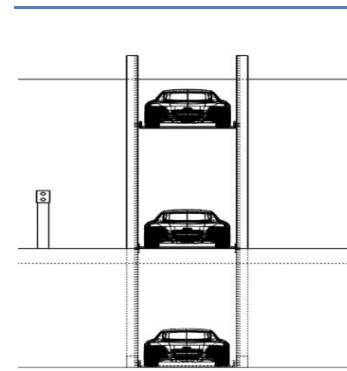
General details

Max load (kgs)	2200kg
Operation	Dependant
No. of parking slots	3 cars.
Working system	Hydraulically driven with heavy duty chain / 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 key locking system.
Structure	Three horizontal platforms for parking with 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	L 2 – 3800 L 1 – 4000	L 2 – 4300 L 1 – 4500	L 2 – 4500 L 1 – 4800
Width	2500 Mm	2600 mm	2800 mm
Platform width	L 2 – 2100 L 1 – 2100 pit.l – 2100	L 2 – 2200 L 1 – 2200 pit.l – 2200	L 2 – 2400 L 1 – 2400 pit.l – 2400
Lifting height	L 2 – 1800 L 1 – 1800 pit.l – 1800	L 2 – 1800 L 1 – 1800 pit.l – 1800	L 2 – 1800 L 1 – 1800 pit.l – 1800



L2= second level, L1= first level , pit. L= pit level/well level

Technical specification

- Systems stands on two steel pillars with base plates (mounted on the floor into the pit/ well)
- 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)
- Three 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, with The minimum clear depth of the pit/well needs to be 4mtr from the Ground Level.
- Civil work would be under client's scope For the foundation of the two level parking systems at the allotted space for system, with the formation of the pit as per the plan with oil proof paint inside.
- Lockable storage room should be provided at the site for storing tools, equipment's & other valuables needed during erection
- We recommend the provision of a drainage channel at the front of the pit which can either incorporate a pump 50 x 50 x 20 cm, or a connection into the storm water sewerage system via a petrol/oil interceptor. If the pump sump is not/ by manual drainage.
- 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 and proper safety railing around the pit.
- Additional small space should be allotted for installing the hydraulic power pack system.



