



LUXURY CAR PARKING



CAR PARKING LIFTS
**FULLY AUTOMATIC
PARKING SYSTEMS**
CAR STORAGE LIFTS
**CAR / CARGO
ELEVATORS**

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**CATALOG
2020**

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CAR STORAGE LIFTS

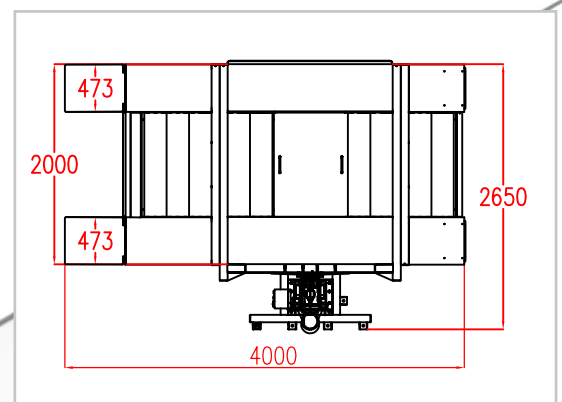
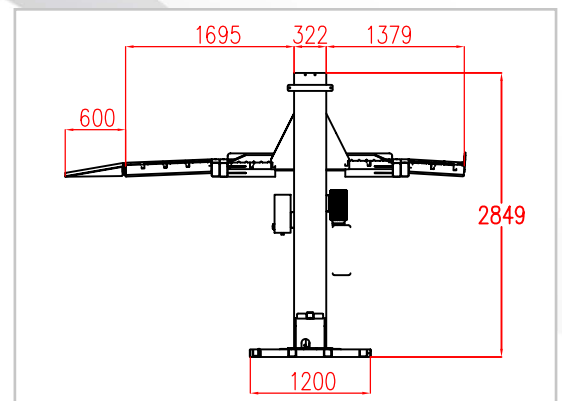
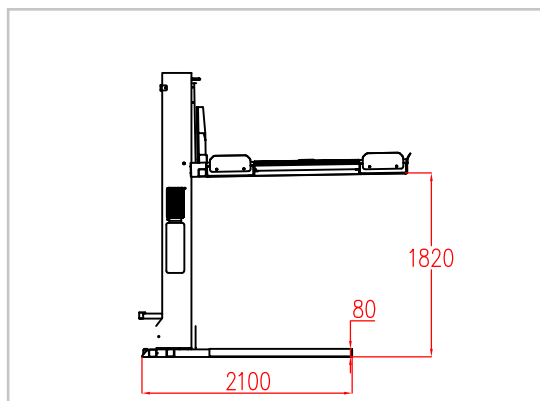
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SINGLE POST CAR PARKING LIFT CE (POP20/1850)

- Compact size design without need for maneuvering area.
- Ramps & tire stopper positions are interchangeable in both sides .
- Hydraulic power unit & electric panel are reversible on post sides.
- Usability in corridors, aisles without blocking the road.
- Possibility to remove steel base to free up the floor by fixing the post from top & bottom to the wall by anchor flanges.
- Hydraulic cylinder inside the post lifting the platform through carriage & chain lifting system.
- Well-engineered lift design automatically engages safety lock latch at different heights when raising Up.
- Electromagnetic lock release automatically activates during descending phase (Down).
- Platform runway made of diamond steel plates and wave plates.
- Product certified according to BS EN 14010: 2003 +A1: 2009 & EN 1493:2010.
- Steel parts are shot blasted then powder coated with desired color.

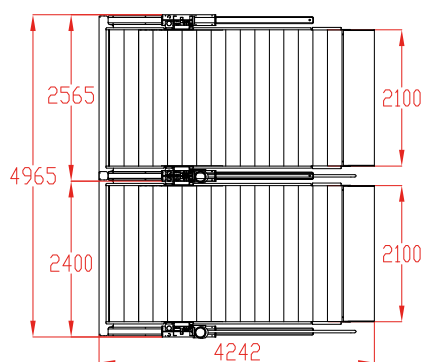
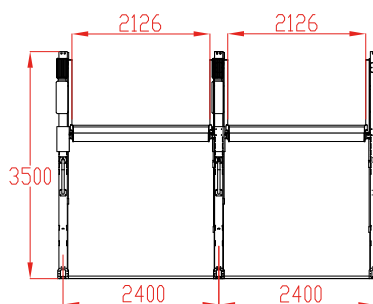
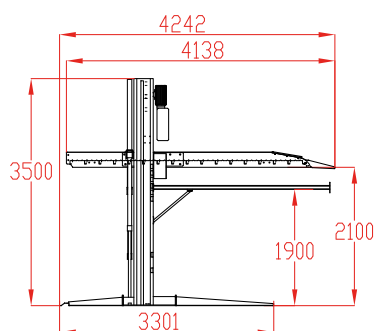


PARAMETERS SINGLE POST CAR PARKING LIFT (POP)

Model	POP20/1850
Lifting Capacity	2000 Kg
Lifting Height	1820 mm
External Dimension	4000x2650x2849 mm
Runway Width	2000 mm
Operation System	Cylinder with carriage. Side electric panel with push-button controls
Lock Release	Manual or Electromagnetic lock release
HPU / Voltage	2.2 Kw / 220 V - 380 V / 50 Hz- 60 Hz / 1 Ph - 3 Ph

TWO POST CAR PARKING LIFT C E (PTP23-27/2100)

- Dependent stack parking designed to store two cars in one parking space.
- Hydraulic power unit & electric panel with outdoor cage provides safe operation.
- Posts are shared together for multiple connected units to save space and cost.
- Two stage dual hydraulic cylinders with carriages to lift up the platform from both sides with roller chains balance system.
- Balance chains covered by U shape steel underneath the platform.
- Safety locks engage automatically inside posts holes.
- Electromagnetic lock release through Down push button.
- High polymer polyethylene sliding blocks, wear-resistant carriage bearings.
- Dead-man push buttons & On/off key-switch mounted on operation arm.
- Audible buzzer & visual flasher alarm enhances safety during operation.
- Wide-deck platform with galvanized wave plates accommodates pickups & vans.
- One-piece low profile diamond steel ramp facilitates parking of sports cars.
- Product certified according to BS EN 14010: 2003 + A1: 2009 & EN 1493:2010.
- Steel parts are shot blasted then powder coated with desired color.



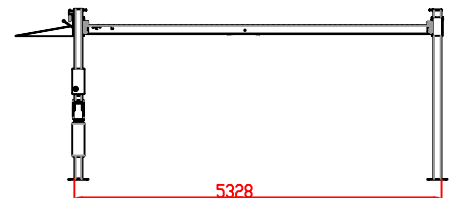
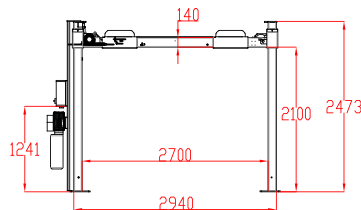
PARAMETERS

TWO POST CAR PARKING LIFT (PTP)

Model	PTP23/2100	PTP27/2100	PTP30/2100
Lifting Capacity	2300 Kg	2700 Kg	3000 Kg
Lifting Height	2100 mm	2100 mm	2100 mm
Post Height	3000 mm	3500 mm	3500 mm
External Dimensions	4019x2565x3192 mm	4242x2565x3500 mm	4242x2565x3500 mm
Runway Width	2100 mm (Could be customized as per request)		
Operation System	Cylinders with carriage. Hanged electric panel. Push- button controls		
Lock Release	Electromagnetic lock release		
HPU / Voltage	2.2 Kw / 220 V - 380 V / 50 Hz- 60 Hz / 1 Ph - 3 Ph		

4 POST CAR PARKING LIFT (Tube Column Type) (PFP40-50/2100)

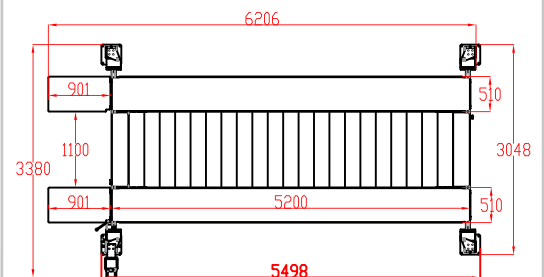
- Heavy duty parking lift with high lifting capacity 4 & 5 tons.
- Wide platform 2100 mm with runway length 5200 mm to suit truck cars.
- Lifting height up to 2100 mm enables big cars to park on ground level.
- Safety locks engage automatically inside all posts at different heights.
- Manual or electromagnetic lock release as per customer request.
- Electric panel with integrated operation push button controls, 24 V.
- Limit switches fixed on posts to control lifting height.
- Hydraulic cylinder with steel ropes & sheaves lifting system.
- Middle of runway is wave plates, oil drip trays or diamond flat plates.
- Optional lightweight aluminum ramps & mobile caster kit.
- Flexibility to fix power unit & electric panel on any post as per request.
- Steel parts are shot blasted then powder coated with desired color.



PARAMETERS

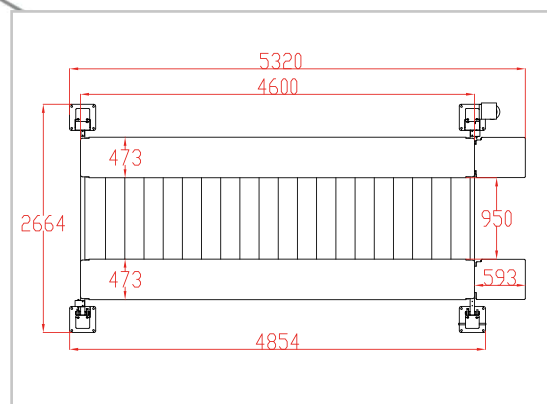
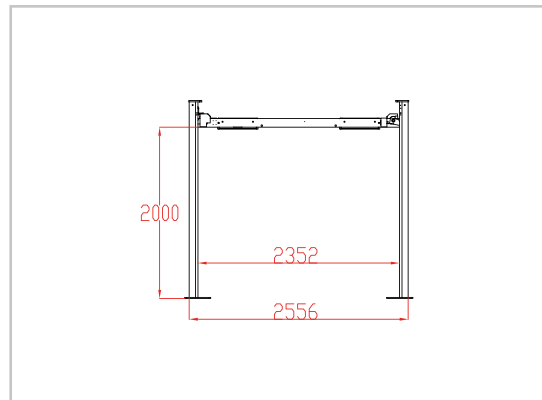
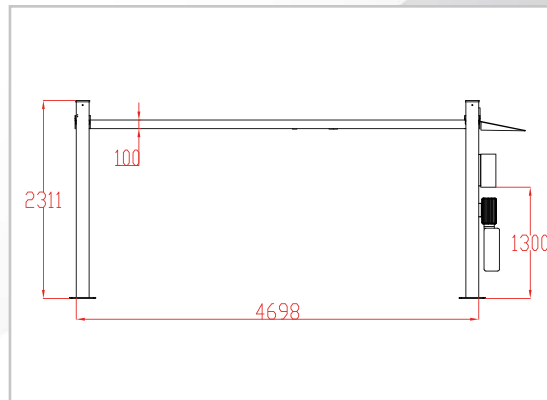
FOUR POST CAR PARKING LIFT (TUBE COLUMN TYPE - PFP)

Model	PFP40 /2100	PFP50/2100
Lifting Capacity	4000 Kg	5000 Kg
Lifting Height	2100 mm	2100 mm
External Dimension	6206 x 3380 x 2473 mm (including ramps)	
Operation System	Cylinder with ropes. Hanged electric panel with push-button controls	
Lock Release	Manual or Electromagnetic lock release	
Middle of Runway	Oil drip trays / Galvanized wave plates / Dimond plates / Rolling jack	
HPU / Voltage	2.2 Kw / 220 V - 380 V / 50 Hz- 60 Hz / 1 Ph - 3 Ph	



4 POST CAR PARKING LIFT (Bended Sheet Type) (PFP27-36/2000)

- Multiple-use parking lift to double your car space.
- Hydraulic cylinder with steel ropes & sheaves lifting system.
- All posts are equipped with steel ladder with holes of 100 mm pitch.
- Safety locks engage automatically inside holes during lifting UP .
- Additional safety lock to be engaged automatically in case of rope / cable rupture.
- Manual or electromagnetic lock release as per customer request.
- Limit switches fixed on posts to control lifting height.
- High polymer polyethylene sliding blocks, wear-resistant.
- Platform runway & ramps made of diamond steel plates.
- Movable oil drip trays or galvanized wave plates in the middle.
- Electric panel with integrated operation push button controls, 24 V.
- Steel parts are shot blasted then powder coated with desired color



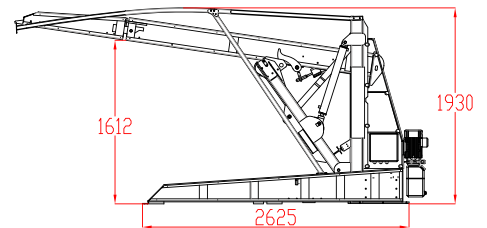
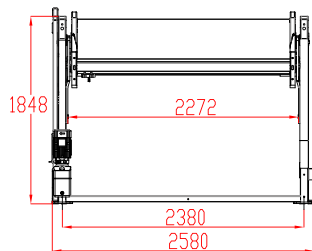
PARAMETERS

FOUR POST CAR PARKING LIFT (BENDED SHEET TYPE - PFP)

Model	PFP27/2000	PFP36/2000
Lifting Capacity	2700 Kg	3600 Kg
Lifting Height	2000 mm	2000 mm
External Dimensions	5320 x 2664 x 2311 mm (Customized as per request)	
Operation System	Cylinder with ropes. Hanged electric panel with push-button controls	
Lock Release	Electromagnetic lock release	
Middle of Runway	Oil drip trays / Galvanized wave plates	
HPU / Voltage	2.2 KW / 220 V - 380 V / 50 Hz - 60 Hz / 1 Ph -3 Ph	

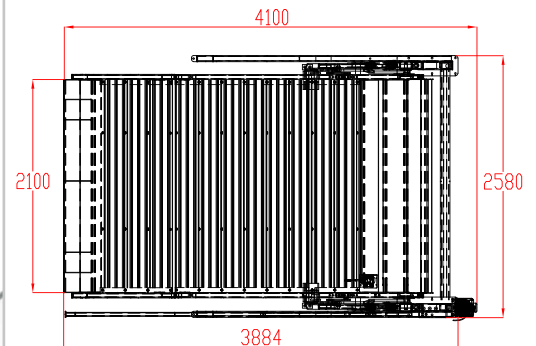
TILTED PLATFORM CAR PARKING LIFT (PTT20/1700)

- Low- ceiling height parking lift suitable to fit 2 low-profile vehicles in narrow garages.
- Suitable for indoor & outdoor use as both electric panel and power unit are protected inside separate backside compartments.
- Single-stage dual-cylinder lifting system with balance shaft under platform for smooth movement.
- Automatic safety lock & electromagnetic lock release.
- Adjustable platform angle to park different Sedan cars underneath the platform.
- Wide-deck platform with galvanized wave plates accommodates different cars depending on building ceiling height.
- One-piece low profile ramp made of diamond steel plate facilitates parking of sports cars.
- Operation box with key-switch fixed on the arm for easy access.
- Steel parts are shot blasted then powder coated with desired color.



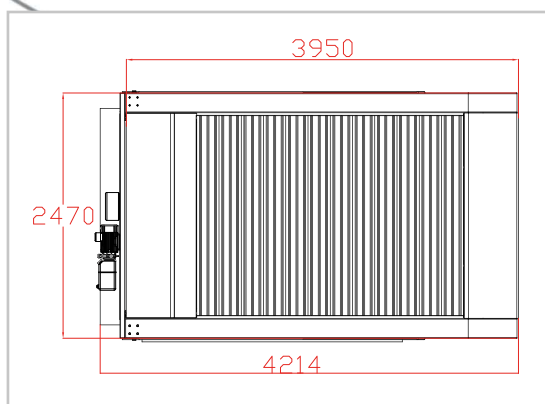
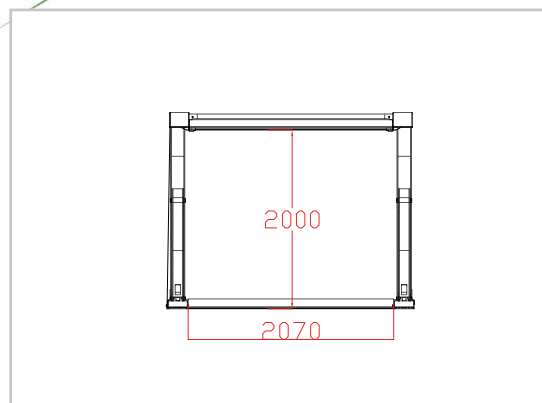
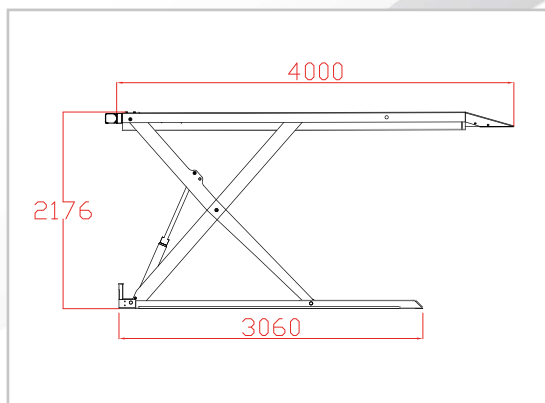
PARAMETERS TILTING CAR PARKING LIFT (PTT)

Model	PTT20/1700
Lifting Capacity	2000 Kg
Lifting Height	1700 mm
External Dimension	4100 x 2580 x 1930 mm
Runway Width	2100 mm
Operation System	Direct lifting cylinders. Back electric panel. Push-button controls
Lock Release	Electromagnetic lock release
HPU / Voltage	2.2 Kw / 220 V - 380 V / 50 Hz- 60 Hz / 1 Ph - 3 Ph



SCISSOR CAR PARKING LIFT (PSL25/2000)

- Foldable structure design free of side posts to occupy minimal footprint in narrow spaces.
- Possibility to stack multiple-units side-by-side to double your parking capacity.
- Lifting height up to 2100 mm enables big cars to park on ground level.
- Single stage dual-cylinder lifting system with balance valve to ensure synchronization and balanced platform during Up & Down.
- Automatic safety lock & electromagnetic lock release.
- Wide platform with interlocking galvanized wave plates in the middle.
- Back recessed diamond plate to stop vehicle's wheels efficiently.
- Low profile entry ramp making it possible for low-riding sports cars to safely climb aboard.
- Hydraulic power unit & electric panel are fixed on the back side of the platform to save space.
- Steel parts are shot blasted then powder coated with desired color.



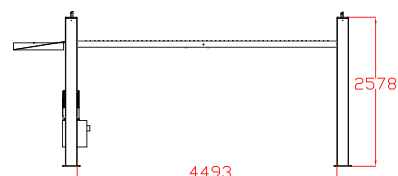
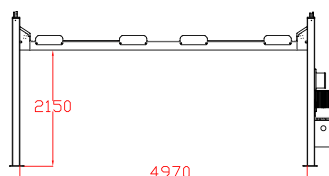
PARAMETERS

SCISSOR CAR PARKING LIFT (PSL)

Model	PSL25/2000
Lifting Capacity	2000 Kg
Lifting Height	2000 mm
External Dimensions	4214 x 2470 x 2176 mm
Runway Width	2070 mm
Operation System	Direct lifting cylinders. Back electric panel & push-button controls
Lock Release	Electromagnetic lock release
HPU / Voltage	2.2 Kw / 220 V - 380 V / 50 Hz- 60 Hz / 1 Ph - 3 Ph

DOUBLE WIDE 4 POST CAR PARKING LIFT (PFP60/3000)

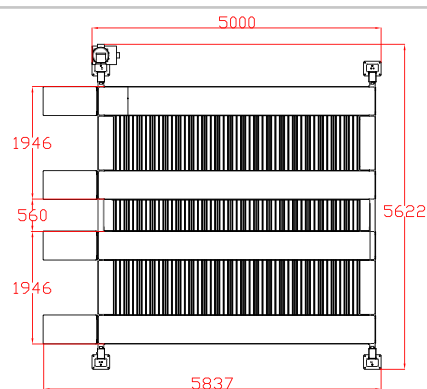
- Double wide platform to accommodate storage of heavy & wide cars.
- Customized platform of multiple diamond plates or wave plates.
- Personalized lifting height up to 3000 mm with different runway lengths.
- Hydraulic cylinder with steel ropes & sheaves lifting system.
- All posts are equipped with steel ladder with holes of 100 mm pitch.
- Safety locks engage automatically inside holes during lifting up .
- Additional safety locks will be activated in case of steel rope rupture.
- Electromagnetic lock release through activating Down Push Button.
- Electric panel with integrated operation push button controls , 24 V.
- Limit switches fixed on posts to control lifting height.
- High polymer polyethylene sliding blocks, wear-resistant.
- Optional lightweight aluminum ramps & mobile caster kit .
- Steel parts are shot blasted then powder coated with desired color.



PARAMETERS

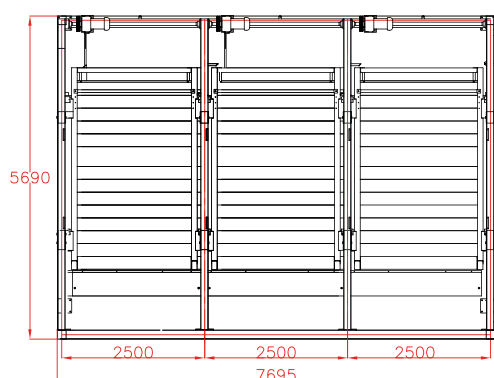
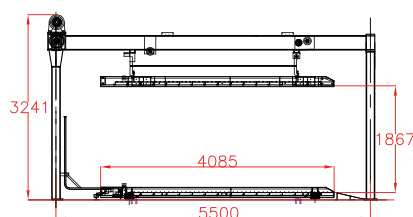
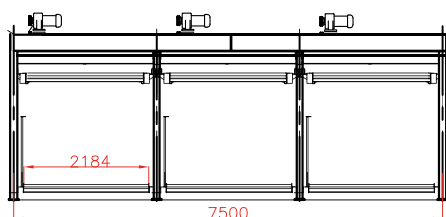
DOUBLE WIDE 4 POST CAR PARKING LIFT (4 CARS - PFP)

Model	PFP50/3000	PFP30/2150
Lifting Capacity	5000 Kg	3000 Kg
Lifting Height	3000 mm	2150 mm
External Dimension	5800 x 5800 x 3635 mm	5837 x 5622 x 2578 mm
Operation System	Cylinder with ropes. Hanged electric panel with push-button controls	
Lock Release	Electromagnetic lock release	
Middle of Runway	Galvanized wave plates / Multi ple runways in diamond plates	
HPU / Voltage	7.5 Kw / 380 V / 50 Hz-60 Hz / 3 Ph	2.2 Kw - 220 V / 50 Hz / 1 Ph



PUZZLE PARKING SYSTEM (SLIDE & LIFT) (PSH20-25/2)

- Strong Structure (I-beam & C-channels) with independent platforms.
- Special platform profile with galvanized wave plates and tire stoppers.
- Customized design with multiple vertical levels (2-6) and multiple horizontal bays (3-6).
- Top level platforms move vertically (Up & Down) only through geared motors & lifting chains.
- Lower level platforms slide horizontally only through geared motor & guide rails.
- Middle levels platforms move vertically & slide horizontally.
- Each platform (except for lower level) is equipped with four safety hook devices to prevent falling, collision and overload.
- Photo electric sensors to stop the unit when cars park improperly or when persons accidentally cross in.
- Operation panel equipped with Emergency stop, manual keyboard & screen with IC card reader.
- PLC device mounted inside electric panel to control the parking/retrieving process.
- The standard finishing is hot dip galvanized but can be in powder coated too.



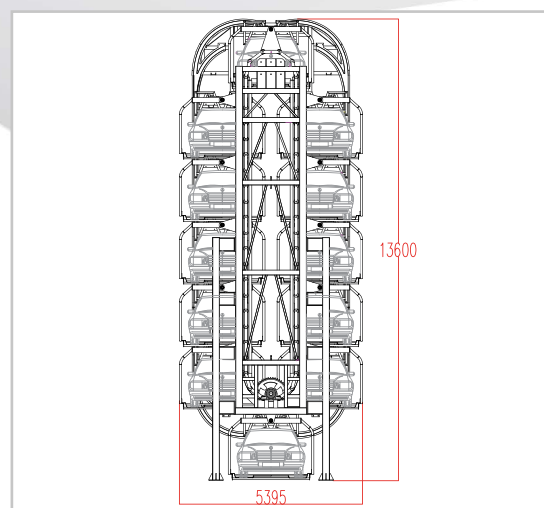
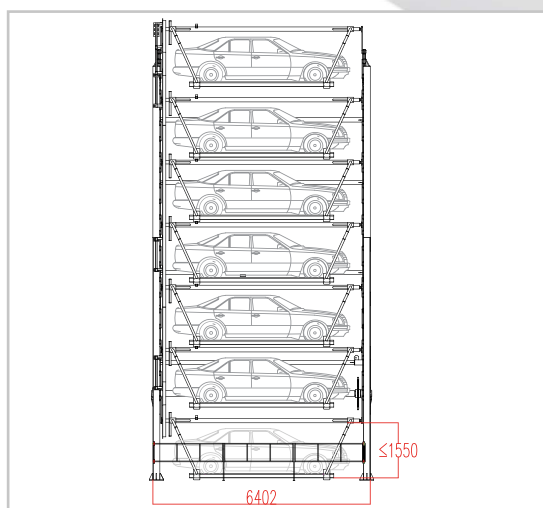
PARAMETERS

PUZZLE PARKING SYSTEM -SLIDE AND LIFT (PSH)

Model	PSH25/2 (5 cars)	PSH25/2 (7 cars)
Vehicle Size	≤5000 x 1950 x 1800 mm	≤5000 x 1850 x 1800 mm
Lifting Capacity	2500 Kg	2500 Kg
Installation Dimensions	7695 x 5690 x 4050 mm	9750 x 5690 x 4050 mm
Operation System	Integrated Gearmotors Driven+ Roller Chains	
Lifting / Sliding Motor	2.2 Kw / 0.2 Kw	
Operation Mode	Keyboard / IC card / Manual	
Lock Release	Electromagnetic lock (hook) release	
Voltage	220 V / 380 V / 50 Hz - 60 Hz / 1 Ph - 3 Ph	

ROTARY (Carousel) PARKING SYSTEM SYSTEM (PTT20/1700)

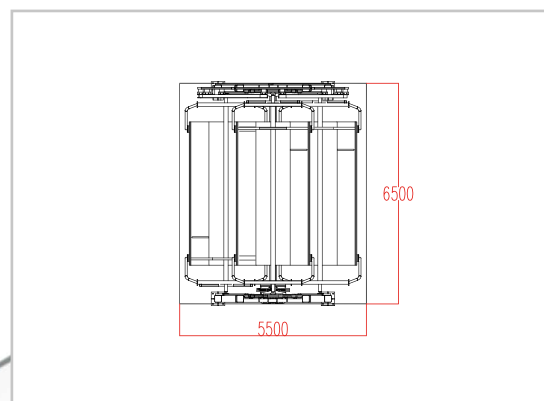
- Carousel parking system is the best mechanical independent parking at streets.
- The most space-efficient parking system as you can park up to 16 cars in a space 5.5 m width x 6.5 m length.
- Different models with 8, 10, 12, 14 & 16 car spaces for either Sedan and SUV cars according to permissible site height.
- German SEW geared motor drive with roller chain & sprocket mechanism.
- Designed to park vehicles by vertically circulating cage in CW / CCW directions.
- All cages are moving simultaneously through heavy duty conveyor sprocket shaft.
- Simple operation through push button controls / IC cards.
- Electric panel is equipped with PLC, Schneider type.
- Steel parts are shot blasted then powder coated with desired color.



PARAMETERS

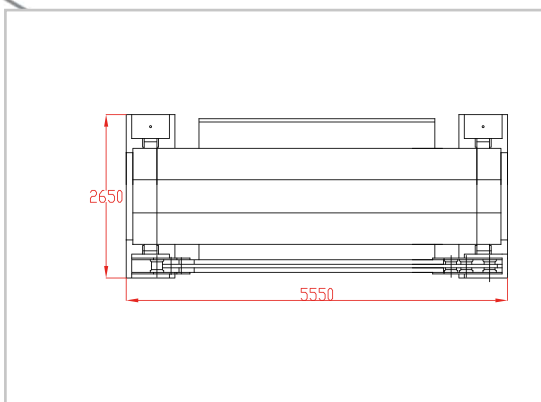
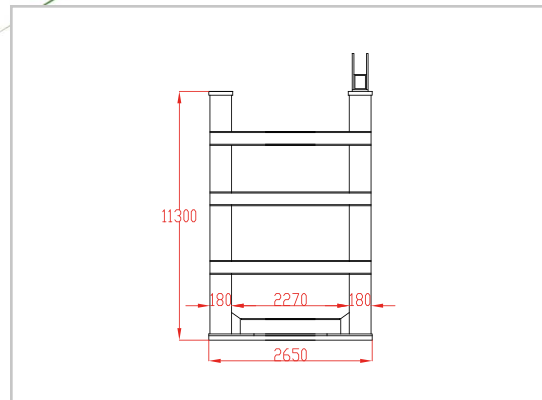
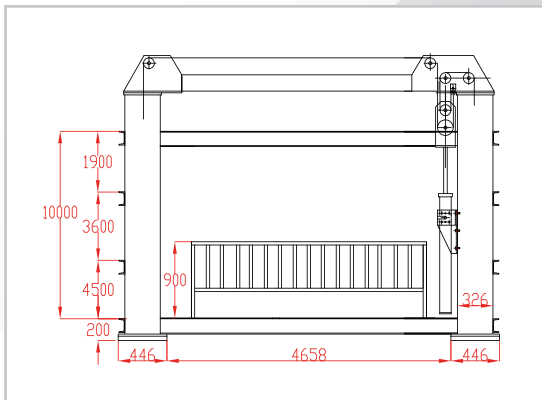
ROTARY PARKING SYSTEM (PCX)

Model	PCX12D	PCX12DH
Lifting Capacity	1800 Kg	2300 Kg
Vehicle Size	5300 x 1850 x 1550 mm	5300 x 2100 x 2000 mm
Installation Space	6500 x 5500 x 13600 mm	6500 x 5700 x 16700 mm
Unit Weight	25 Tons	35 Tons
Shipping Load	2x40HQ	2x40HQ
Operation System	Front fixed Gearmotor with chains. PLC control + IC card	
Motor Power	9.2 Kw SEW- Germany	15 Kw SEW- Germany
Voltage	380 V / 50 Hz-60 Hz / 3Ph	



HYDRAULIC FOUR POST Car Elevator (LFP)

- Floor mounted 4 post heavy duty car elevator for outdoor use.
- Customized design based on requested lifting heights, lifting capacity and number of floors stops.
- Hydraulic drive system with horizontal cylinder and synchronized dual-chain lifting ensures the platform deck remains leveled throughout the vertical travel, even with off-centered loads.
- Hydraulic power unit and electric panel are protected inside ergonomic compact size console with portable operation box.
- Side barrier fences fixed on the platform deck to ensure safety and visibility.
- Thick reinforced steel platform minimizes deflection and maximizes stability.
- This car lift is ideal for lifting cars among ground, upper & lower levels.
- Steel parts are shot blasted and 2-layers spray painted with desired color.



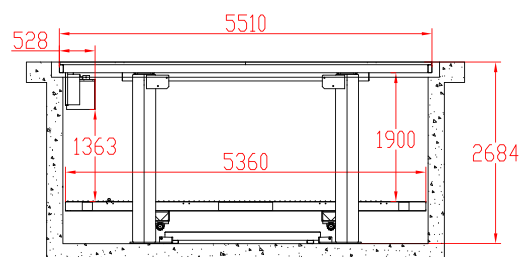
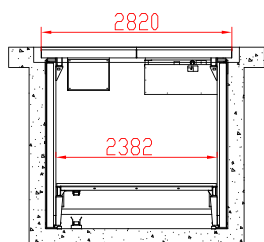
PARAMETERS

HYDRAULIC 4 POST CAR ELEVATOR (LFP)

Model	LFP 40/2400	LFP30/10000
Lifting Capacity	4000 Kg	3000 Kg
External Dimensions	5900 x 2900 x 3700 mm	5550 x 2650 x 11300
Number of Stops	Ground+1	Ground + 3
Operation System	Cylinder with chains. Electric panel and push-button controls	
HPU	4 Kw	4 Kw
Voltage	380 V/50 Hz-60 Hz / 3Ph	
Note	Customized product with variable dimensions & specs. per request	

UNDERGROUND PARKING SYSTEM C€ (UPS-1/2)

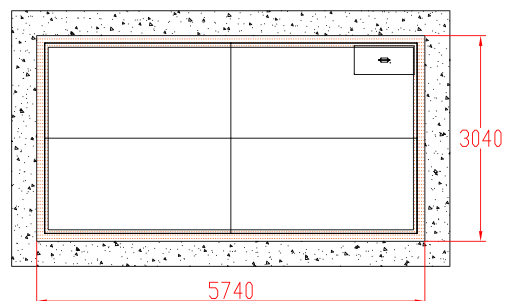
- Subterranean parking system inside concrete pit without prominent structure.
- Hydraulic driven with vertical cylinders, oil tubes & hoses and valves system.
- Customized product based on pit size, suitable for residential & commercial use.
- Independent parking system including upper platform (drive-through only).
- Mature & well tested product with easy installation and maintenance steps.
- Side supports of posts together with longitudinal & cross beams to keep unity.
- Complete chain & sprocket system to ensure balance & stability during operation.
- Chain anti-rupture devices to stop the system in case of chain rupture.
- Diamond- plates for the upper platform & galvanized wave plates for lower ones.
- Tires stoppers in lower platforms to ensure correct placement of the cars.
- Limit switch in every level to stop platforms at predefined heights, IP 67.
- Operation box with dead man push buttons, emergency and on/off key.
- Electric Operation Box is operated with 24 V to protect against short circuit.
- Hydraulic power unit is fixed inside backside noise-insulated compartment.
- Product certified according to BS EN 14010: 2003 +A1: 2009 & EN 1493:2010.
- Optional water pump inside the pit to pump out the water in case of flooding.
- The standard finishing is hot dip galvanized but can be in powder coated too.



PARAMETERS

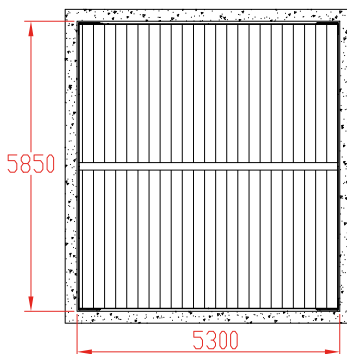
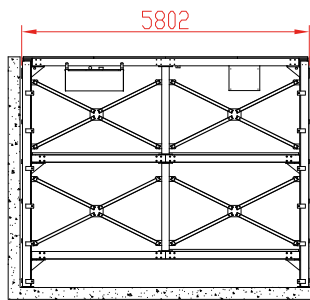
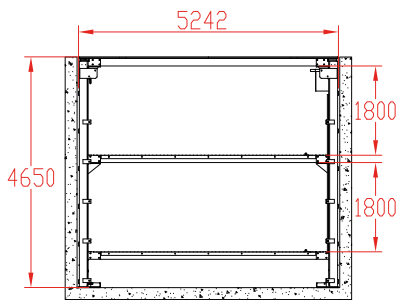
HYDRAULIC UNDERGROUND CAR PARKING SYSTEM (UPS)

Model	UPS-1	UPS-2	UPS-1C
Lifting Capacity	2000 Kg / Platform		
External Dimensions	5300 x 3000 x 2320 mm	5300 x 3000 x 4220 mm	5360 x 2820 x 2684 mm
Parking Spaces	1+1	2+1	1+1
Canopy /Top level	Parking/Drive Through	Drive Through Onl	Parking/Drive Through
Operation system	Direct lifting cylinders. HPU & electric panel are mounted under canopy		
HPU	5.5 Kw	7.5 Kw	5.5 Kw
Voltage	380 V / 50 Hz - 60 Hz / 3Ph		
NOTE	Customized product with variable dimensions per request		



DOUBLE WIDE UNDERGROUND PARKING SYSTEM (UPS-2D)

- Double wide platforms to carry 4 cars on lower levels .
- Upper platform is used as drive through only, not allowed for parking over it.
- Subterranean parking system inside concrete pit without prominent structure.
- Hydraulic driven with vertical cylinders, oil tubes & hoses and valves system.
- Customized product based on pit size, for residential & commercial use.
- Side supports of posts together with longitudinal & cross beams to keep unity.
- Complete chain & sprocket system to ensure balance & stability during operation.
- Chain anti-rupture devices to stop the system in case of chain rupture.
- Diamond- plates for the upper platform & galvanized wave plates for lower ones.
- Tires stoppers in lower platforms to ensure correct placement of the cars.
- Limit switch in every level to stop platforms at predefined heights, IP 67.
- Operation box with dead man push buttons, emergency and on/off key.
- Electric Operation Box is operated with 24 V to protect against short circuit.
- Hydraulic power unit is fixed inside backside noise-insulated compartment .
- Optional water pump inside the pit to pump out the water in case of flooding.
- The standard finishing is hot dip galvanized but can be in powder coated too.



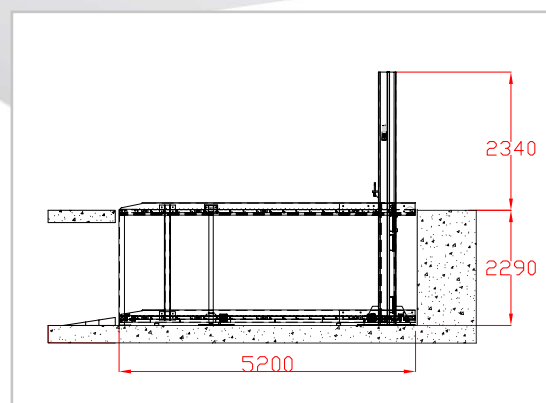
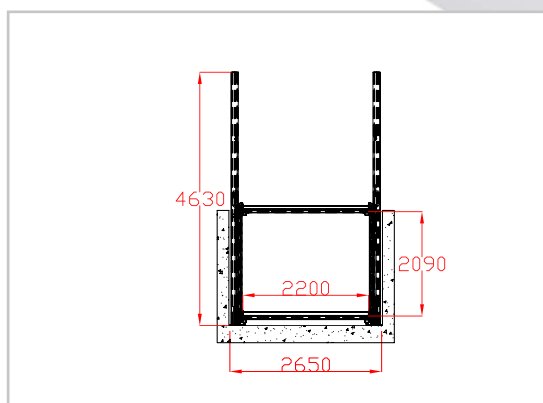
PARAMETERS

DOUBLE WIDE UNDERGROUND CAR PARKING SYSTEM (UPS-2D)

Model	UPS-2D
Lifting Capacity	4000 Kg / platform
External Dimensions	5242 x 5802 x 4650 mm
Parking Space	4+2
Canopy / Top Level	Drive Through Only
Operation System	Lifting cylinders. HPU & electric panel are mounted under canopy
HPU	7.5 Kw
Voltage	380 V / 50 Hz - 60 Hz / 3Ph
NOTE	Customized product with variable dimensions per request

HYDRAULIC TWO POST PIT CAR PARKING SYSTEM (UTS20-25/2)

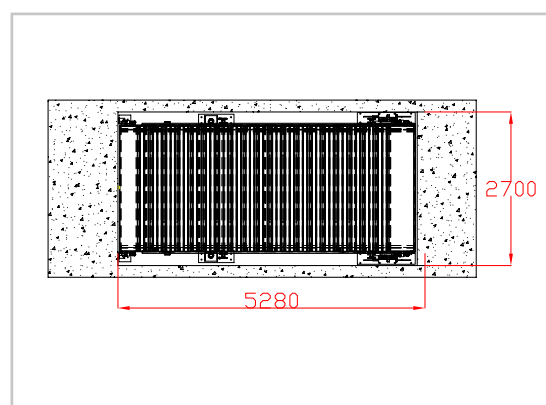
- Independent parking system for using inside garage with pit for residential & commercial use.
- Hydraulic driven through vertical cylinders & oil hoses .
- Customized dimensions for 2 parking spaces connected together.
- Complete balance system mechanism through chains, gear racks and pinion sprockets.
- Wear resistance galvanized wave plates in the middle of platforms,
- Tire stoppers in each platform to ensure correct placement of cars.
- Limit switches to stop platforms at predefined heights, IP67.
- Operation box equipped with dead man push buttons, emergency stop and on/off key.
- Electric operation box is operated by 24 V to protect against short circuit.
- Steel parts are shot blasted then powder coated with desired color.



PARAMETERS

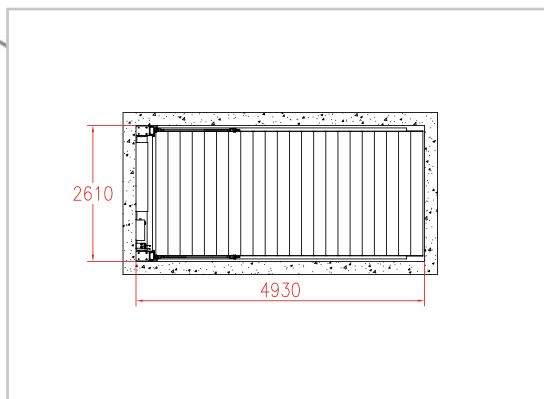
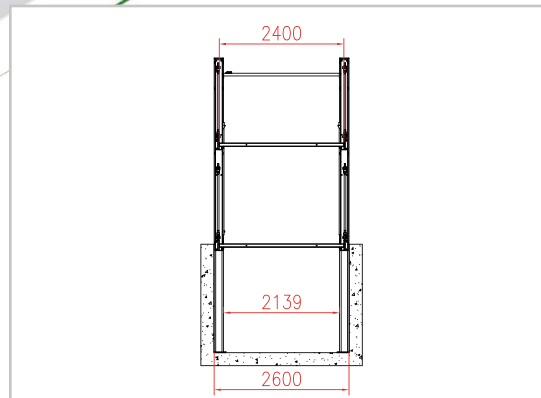
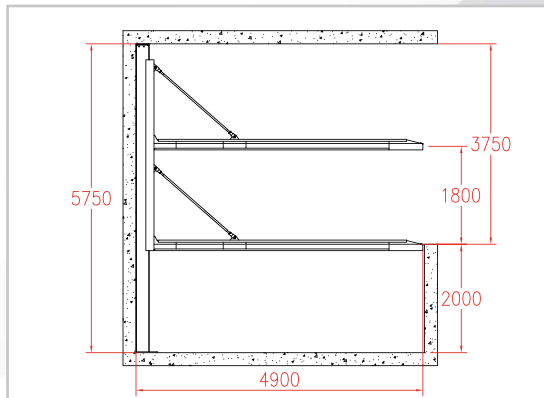
HYDRAULIC 2 POST PIT CAR PARKING SYSTEM (UTS)

Model	UTS20/2	UTS25/2
Lifting Capacity	2000 Kg	2500 Kg
External Dimensions	5200 x 2650 x 4630 mm	5300 x 2650 x 3920 mm
Number of Platforms	1+1	1+1
Overground Height	2340 mm	1850 mm
Underground Height	2290 mm	2070 mm
Operation System	Cylinders with chains. Electric panel, push-button & remote controls	
HPU	2.2 Kw	2.2 Kw
Voltage	220 V-380 V/50 Hz-60 Hz / 1Ph- 3Ph	
Note	Shared posts. Customized product with variable dim. per request	



UNDERGROUND CANTILEVER PARKING SYSTEM (UCS-2)

- Independent parking system for using inside garage with pit for residential & commercial use.
- Hydraulic driven through vertical cylinders & oil hoses .
- Customized product for 2 parking spaces with wall fixed front column.
- Well-engineered structure design ensures balance during operation.
- Safety locks engage automatically . Electromagnetic lock release.
- Cantilever design provides a clear space underneath the beam without any supporting columns.
- Diamond-plates or galvanized wave plates for upper & lower platforms.
- Tire stoppers in each platform to ensure correct placement of cars.
- Limit switch in every level to stop platforms at predefined heights, IP67.
- Operation box equipped with dead man push buttons, emergency stop and on/off key.
- Electric Operation Box is operated by 24 V to protect against short circuit.
- Steel parts are shot blasted then powder coated with desired color.



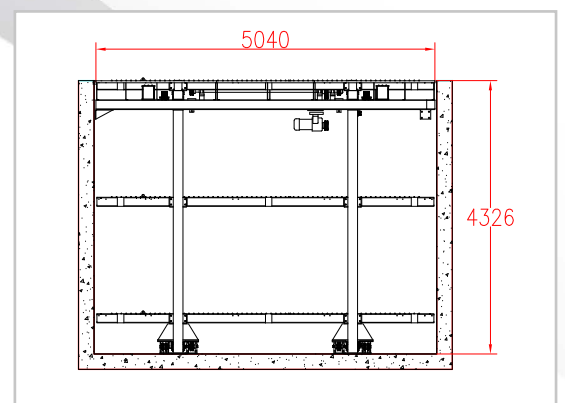
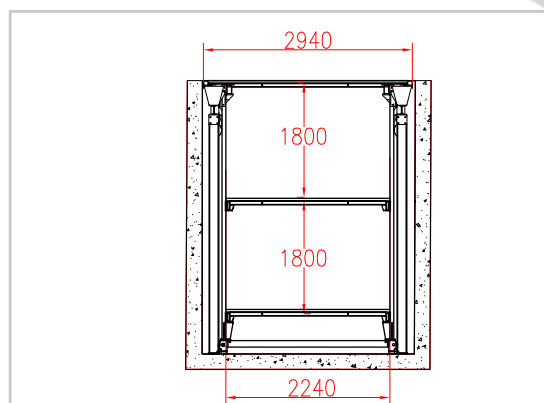
PARAMETERS

HYDRAULIC CANTILEVER CAR PARKING SYSTEM (UCS)

Model	UCS-2
Lifting Capacity	2000 Kg / platform
External Dimensions	4900 x 2600 x 5750 mm
Number of Platforms	1+1
Overground Height	3750 mm
Underground Height	2000 mm
Operation System	Direct lifting cylinders. Electric panel, push-button & remote controls
HPU	5.5 Kw
Voltage	380 V/50 Hz-60 Hz / 3Ph
Note	Customized product with variable dimensions per request

MOTOR DRIVEN PIT CAR PARKING SYSTEM CE (PDK20L2- 3/C)

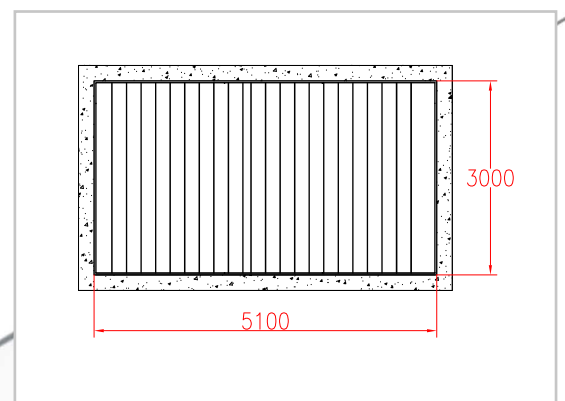
- Underground independent parking system inside pit without prominent structure above ground level.
- Geared motor driving system with durable lifting and balancing roller chains.
- Customized dimensions for 2,3 & 4 levels to fulfill any requirements.
- Directly park & retrieve the car at any level independently.
- Mechanical locks at ground level to ensure safety during parking & retrieving cars on all platforms.
- Electric sensors to confirm no persons or objects before raising & lowering.
- Limit switch in every level to stop platforms at predefined heights, IP 67.
- Optional water pump inside the container to pump out water in case of flooding.
- Diamond- plates for the upper platform & galvanized wave plates for lower ones.
- Operation box with dead man push buttons, emergency stop and on/off key.
- Electric Operation Box is operated by 24 V to protect against short circuit.
- Product certified according to BS EN 14010: 2003 +A1: 2009 & EN 1493:2010.
- The standard finishing is hot dip galvanized but can be in powder coated too.



PARAMETERS

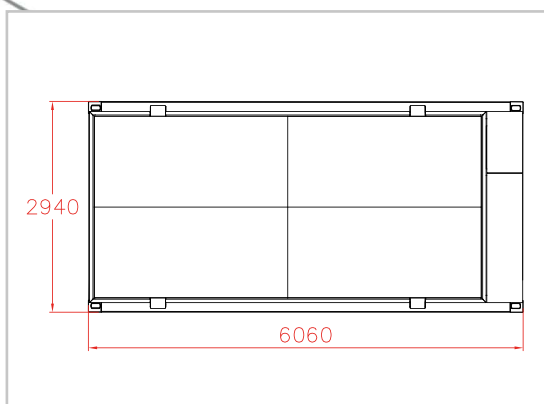
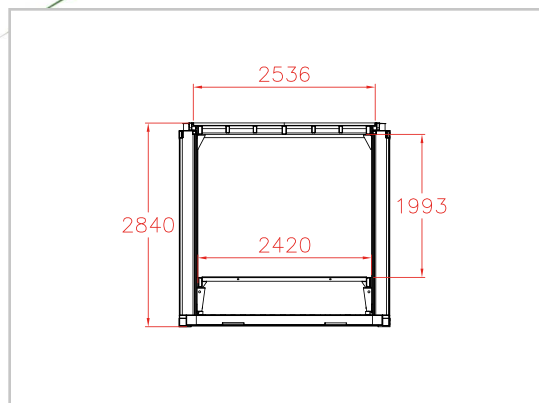
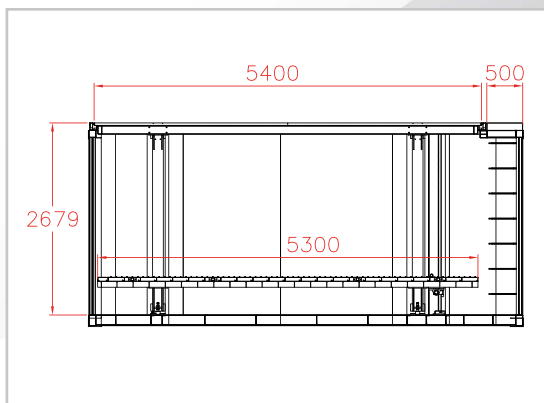
MOTOR DRIVEN PIT CAR PARKING SYSTEM (PDK)

Model	PDK20L2/C	PDK20L3/C
Lifting Capacity	2000 Kg / platform	2000 Kg /platform
External Dimensions	5040 x 2940 x 2556 mm	5040 x 2940 x 4326 mm
Parking Space	1+1	2+1
Upper Platform	Parking + Drive Through	Parking + Drive Through
Operation System	Integrated gearmotor & chains. Electric panel, push-button controls	
Motor Power	3.7 Kw	5.5 Kw
Voltage	220V-380V / 50Hz-60Hz/1Ph-3Ph	380V/50 Hz-60 Hz /3Ph
NOTE	Customized product with variable dimensions per request	



UNDERGROUND HOME GARAGE INSIDE 20'GP CONTAINER (UHCS-1).

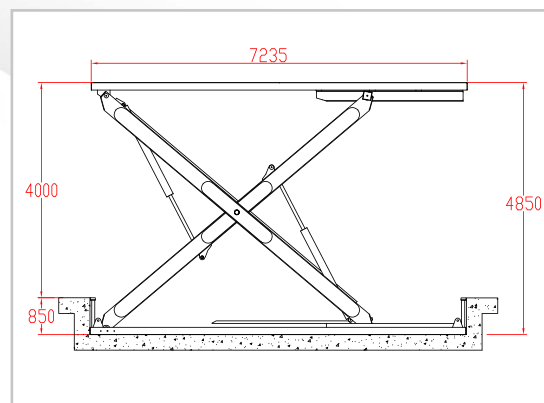
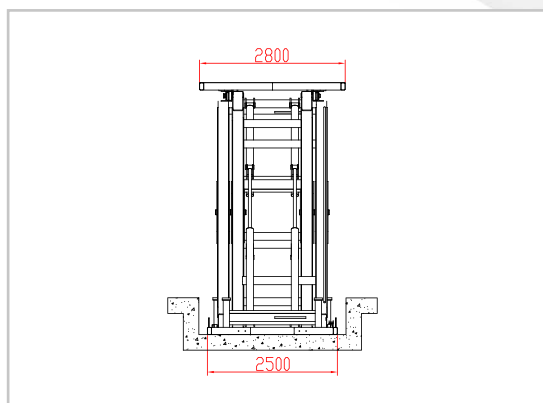
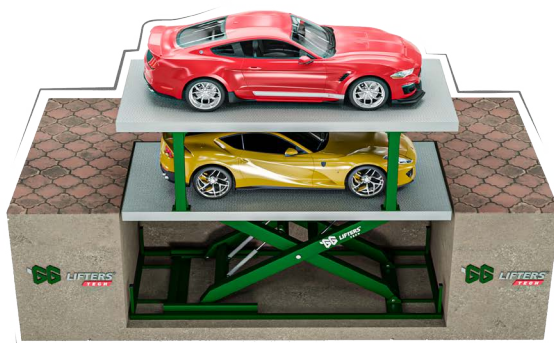
- Luxurious garage to protect your valuable car and double parking space.
- Upper platform will act as car lift canopy and could be covered with different landscaping for perfect integration with the surrounding architecture.
- The canopy can be safely used for parking during raising & lowering phases.
- Unique parking system makes best use of space in places where it matters most.
- Special design makes it easy to transport it as open top 20'GP sea container.
- Plug & Play solution for fast installation without need of concrete pit.
- Excavate the pit, insert the container inside and do landscaping works.
- Simple hydraulic lifting system through vertical cylinders, oil tubes & hoses.
- Integrated service room with manhole for hydraulic power unit & electric panel.
- Dual use by remote control and push buttons with emergency stop & on/off key.
- Galvanized steel surfaces to protect the complete system from corrosion.
- Upper platform rests on floor drainage channel to avoid rainwater flooding inside.
- Complete balance system through gear racks and pinion sprockets.



PARAMETERS		UNDERGROUND HOME GARAGE INSIDE 20'CONTAINER (UHCS)
Model	UHCS-1	
Lifting Capacity	6500 Kg	
External Dimensions	6060 x 2940 x 2840 mm	
Number of Platforms	1+1	
Net Parking Space	5300x2420x1993 mm	
Operation System	Direct lifting cylinders. HPU & electric panel mounted inside	
HPU	5.5 Kw	
Voltage	380 V/50 Hz-60 Hz / 3Ph	

UNDERGROUND PANTOGRAPH SCISSOR LIFT (USS50-100)

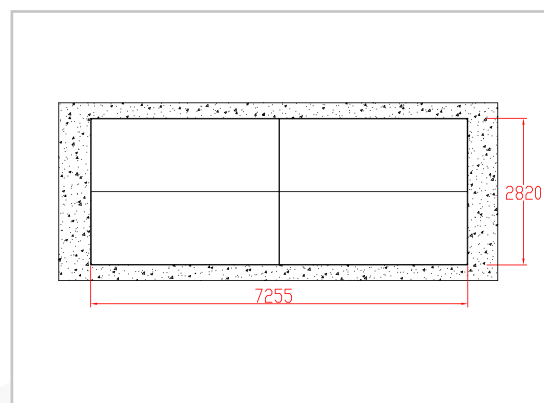
- Pantograph car elevator with one or two platforms for both parking & lifting cars to different levels, without driver on board.
- Customized design with paved roof canopy to integrate with the surrounding architecture with possibility to have tempered glass in the middle.
- Saving space by avoiding traditional ramps to reach different heights.
- Hydraulic driven with cylinders, oil hoses and solenoid valves.
- Manual oil drain valve to lower the scissor manually when power off.
- Hydraulic cylinders equipped with hose rupture valves to prevent back flow of pressurized oil in the system after the valves.
- Dual use by remote control and push button controls with emergency stop & on/off key.
- One-piece base frame with scissor arms and U channels to guide sliding blocks makes it easy loading /offloading inside container.
- Driveway platform & top canopy are made of 2 or more bolted pieces, easy for assembling together.
- Steel parts are shot blasted then powder coated with desired color.



PARAMETERS

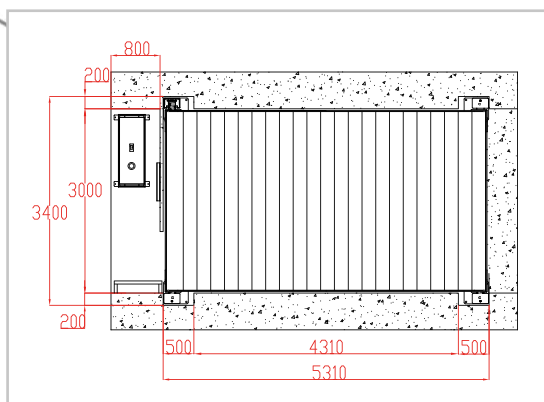
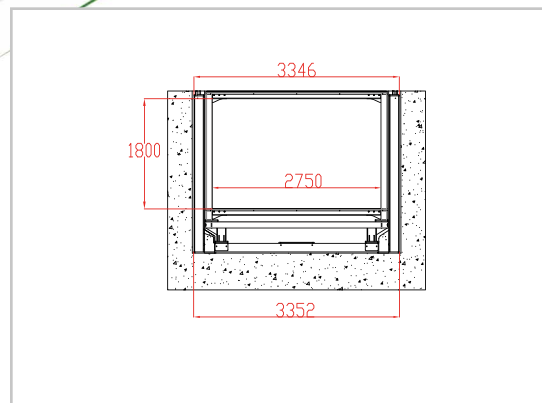
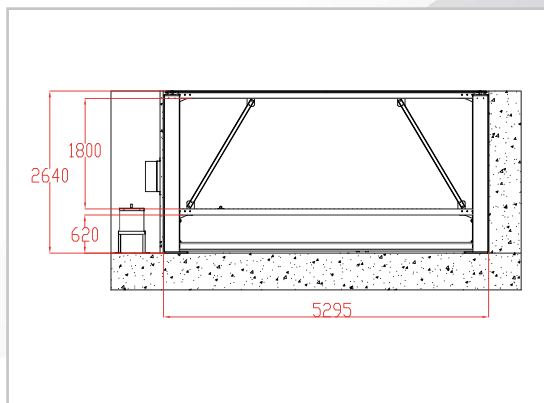
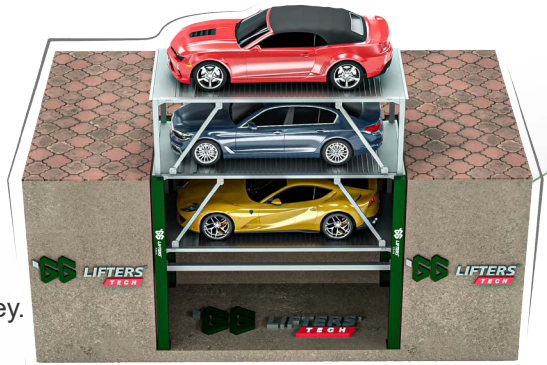
UNDERGROUND PANTOGRAPH SCISSOR LIFT (USS)

Model	USS50/4000	USS50/3900
Lifting Capacity	5000 Kg	5000 Kg
External Dimensions	7235 x 2800 x 4850 mm	5660 x 2900 x 7000 mm
Number of Platforms	1 or 2 (in between fixed distance or telescopic) as per application	
Hydraulic cylinders	2/4 pcs high precision wear-resistance with Aston Oil seals	
Platform Size	7235 x 2800 mm	5660 x 2900 mm
Operation System	Direct lifting cylinders. Electric panel, push-button & remote controls	
HPU	5.5 Kw	5.5 Kw
Voltage	380 V/50 Hz-60 Hz / 3Ph	380 V/50 Hz-60 Hz/ 3Ph
Note	Customized product with variable dimensions per request	



UNDERGROUND FOUR POST CAR PARKING SYSTEM C€ (UFS1-2)

- Independent parking system including upper platform (drive-through only).
- Customized product suitable for residential & commercial uses.
- Four posts of the main structure will be inserted outside the pit corners to create more space for car entry inside the system.
- Hydraulic driven through horizontal efficient cylinder with cables & sheaves.
- Side supports of all longitudinal beams to keep balance during operation.
- Diamond plates for upper platform & galvanized wave plates for lower ones.
- Tires stoppers in lower platform to ensure correct placement of the car.
- Limit switch in every level to stop platforms at predefined heights, IP 67.
- Operation box equipped with dead man push buttons, emergency and on/off key.
- Electric operation box is operated with 24 V to protect against short circuit.
- Hydraulic power unit is fixed in separate room outside the pit.
- Product certified according to BS EN 14010: 2003 +A1: 2009 & EN 1493:2010.
- Optional water pump inside the container to pump out water in case of flooding.
- The standard finishing is hot dip galvanized but can be in powder coated too.



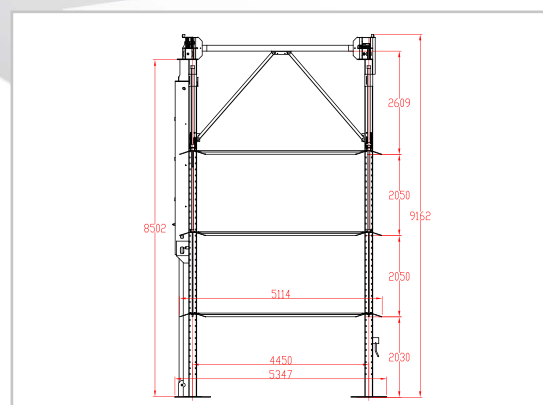
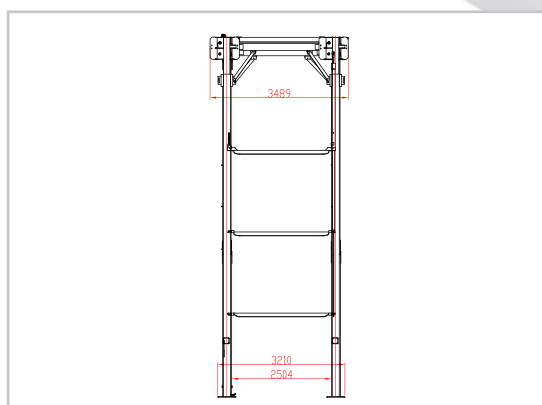
PARAMETERS

UNDERGROUND 4 POST CAR PARKING SYSTEM (UFS)

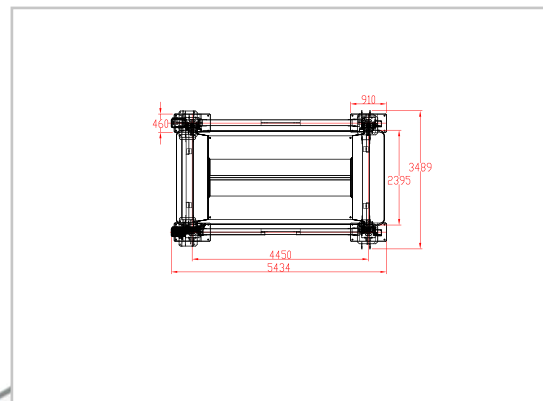
Model	UFS-1	UFS-2
Lifting Capacity	2000 Kg / platform	2000 Kg / platform
External Dimensions	5295 x 3352 x 2640 mm	5295 x 2922 x 4250 mm
Parking Space	1+1	2+1
Upper Platform	Parking + Drive Through	Drive Through Only
Operation System	Cylinder & ropes. HPU & electric panel mounted in separate room	
HPU	5.5 Kw	7.5 Kw
Voltage	3800 V / 50 Hz – 60 Hz / 3Ph	
NOTE	Customized product with variable dimensions per request	

QUAD STACKER STORAGE LIFT (PFS30/G+3)

- 4 Post quad stacker (ground+3 upper levels) for parking 4 cars over each other.
- Posts are shared together to have multiple connected units for more strength.
- Hydraulic lifting system through back vertical cylinder connected with ropes & sheaves.
- Automatic mechanical safety latch connected to the cylinder to lock upper platform at every level.
- Several mechanical locks at every 150 mm interval in all posts to prevent falling.
- Steel ropes failure mechanism to lock platforms to avoid collision in case of emergency.
- Hose burst / rupture valve located at hydraulic cylinder to prevent back flow of pressurized oil in the system after the valve.
- Limit switches, one at each level to stop platforms at predefined height.
- Simultaneously unlock for all platforms at all levels through manually operated handle.
- Suitable for all kind of Sedan /SUV cars with max lifting capacity 3 tons each.
- Steel parts are shot blasted then powder coated with desired color.
- Possibility to have intumescent fire-retardant coat for indoor application.

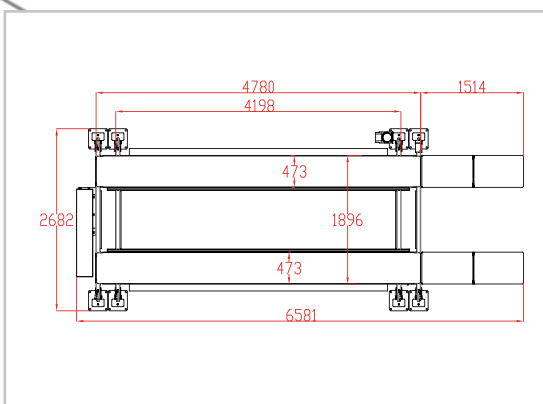
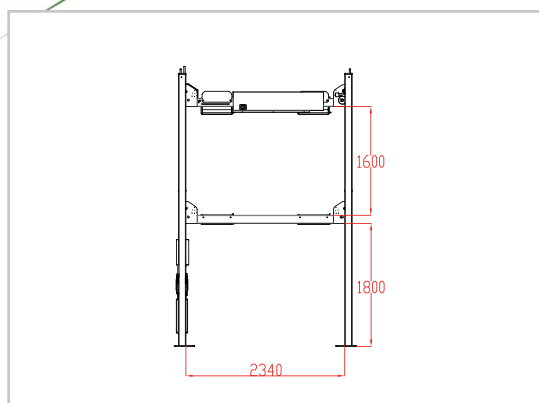
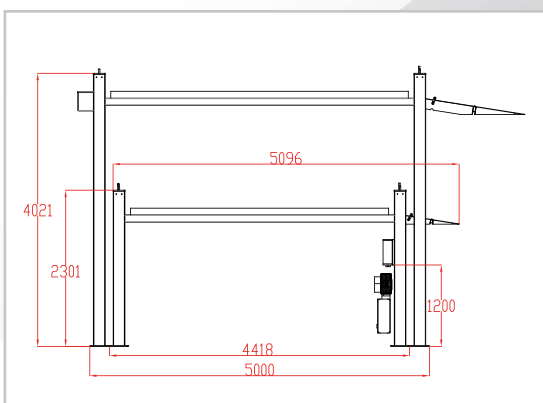


PARAMETERS QUAD STACKER STORAGE LIFT (PFS)		
Model	PFS25/G+2	PFS30/G+3
Lifting Capacity	3000 Kg	3000 Kg
Net Lifting Heights	2162 mm	2030 mm
External Dimensions	5440 x 3489 x 7325 mm	5434 x 3489 x 9169 mm
Platform Type	Completely welded flat steel	
Runway Width	2395 mm	2395 mm
Operation System	Cylinder with ropes. Electric panel. Push- button controls	
Lock Release	Manual lock release	
HPU	5.5 Kw	7.5 Kw
Voltage	380 V / 50 Hz - 60 Hz / 3Ph	



TRIPLE STACKER LIFT CE (PEP54/3500)

- Trilevel storage lift (ground +2 upper levels) to park 3 cars over each other.
- Unit is consisting of 2 integrated four post car parking lifts installed together.
- Hydraulic driven cylinders with steel ropes & sheaves system.
- Safety locks engage automatically inside ladders in all posts, 100 mm pitch.
- Additional safety locks will be activated in case of steel rope rupture.
- Electromagnetic lock release is activated when pushing Down button.
- Foldable ramps suitable for sport cars and occupy less space.
- Electric panel & hydraulic power unit of upper lift is placed inside a compartment fixed to the back side of its platform.
- Flexibility to install electric panel & HPU of lower lift inside a compartment fixed to the backside of platform or on the back of the front post.
- Individual operation boxes with Dead-man push button controls (UP, Down & Emergency) will be fixed on the front post.
- Runways are made from anti-slipping diamond plates with wheel stoppers.
- Steel parts are shot blasted then powder coated with desired color.



PARAMETERS

TRIPLE STACKER STORAGE LIFT

Model	PEP54 /3500	PEP54 /4000
Lifting Capacity	2700 kg / platform	
Net lifting Heights	1800 /1600 mm	1800 / 2100 mm
External dimensions	6581 x 2682 x 4021 mm	6669 x 2566 x 4588 mm
Platforms Dimensions	Lower: 4198 x 1896 mm / Upper: 4780 x 1896 mm	
Runway-Middle in Type	Diamond steel plates - Galvanized wave plates / Oil drip trays	
Type of ramp	Foldable diamond steel ramps (Optional checkered Aluminum)	
Voltage	380 V/50 Hz-60 Hz / 3Ph	
Operation System	Cylinders with Ropes. Back electric panels. Push-button controls	
Lock Release	Electromagnetic lock release	
HPU / Voltage	2.2 Kw / 220 V - 380 V / 50 Hz- 60 Hz / 1 Ph - 3 Ph	

X-Y-Z Pallet and Elevator System C€

- The most compact and flexible design up to 4 levels (within 40 parking spaces) with multiple adjacent rows to obtain the best parking efficiency. Suitable for small and medium-sized car parking projects and uses up to 90% of the available space
- Entry / Exit cabin is equipped with Laser Scanners to check the position of the car and a traffic light will signal the correct position.
- After getting out of the car - through touching keyboard of the control panel or simply with a badge - will activate the system
- The cabin door closes and the system automatically proceeds to bring the car to its parking place.
- Lifting elevator, which can be of different types to lift car to desired level then a movement system in the X-Y axes to park/ retrieve the car in a very short time.
- The system can be installed on a steel structure or on a concrete building which is decided on the basis of many factors to be studied case by case.



Floor-Trolley System C€

- Consisting of one or more high-speed elevators to serve all floors and start from the car entry cabin, well isolated and controlled for safety reasons, bring the Robot Shuttle trolley carrying the car to the parking box. It is advisable to install a Robot Shuttle trolley on each floor to obtain a high service speed specially for systems over 80 cars. Or a single Robot Shuttle that will be loaded on the level trolley from time to time by elevator.
- Each floor (level) trolley is moved longitudinally by motors and a high precision guides installed at edges of each parking level. To park a car, the system software will activate the movement of the trolley up to the free box, then the Robot Shuttle will transfer the car inside the box. In case of several trolleys in the system, the elevator in the meantime can move to another level to park / retrieve another car.
- The lifting system of the elevator is made of ropes and balanced by counterweights and managed by traffic management software with the necessary electrical panels, limit switches and laser sensors to manage the automatic storage and retrieve of the cars. The system can be installed on multiple levels above and / or below the ground floor to maximize parking efficiency.



Trans lift Stacker Crane C€

- The stacker crane (mobile tower) differs from the Robot Shuttle trolley system only for the handling way where the structure of the building always has a central transport lane and parking boxes can also be positioned laterally in the second row.
- The stacker crane will load the car as in the floor trolley system and bring it to its parking box with simultaneous movement in both vertical and longitudinal directions, all always managed by a PLC and its software.
- The platform transports the car to the desired free box to park it.
- The mobile tower moves along the guide rails fixed on the concrete ceiling above the parking levels and on the concrete ground floor by means of wheels and tracks with high precision and guarantee.
- The opening of the towing and centering arms is obtained electrically by means of gear motors; the cycle time is about 18 sec while the average parking / retrieving time is 70 S.
- The power required for vertical movement is 30 KW while for horizontal movement it is 4 KW.





LUXURY CAR PARKING

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