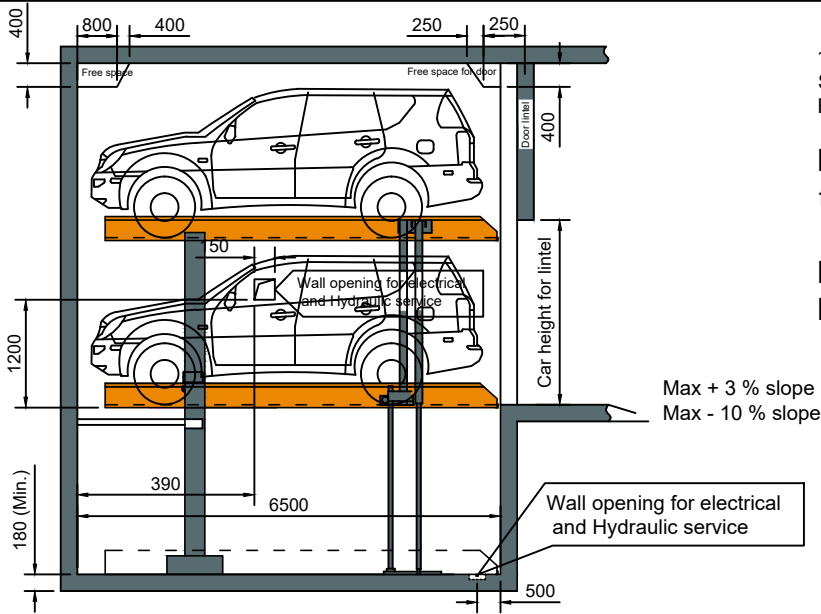


Load per platform max. 3200 kg (load per wheel max. 800 kg).



1. Single Unit = 2 Cars
Suitable for condominium and office building
For permanent use only.

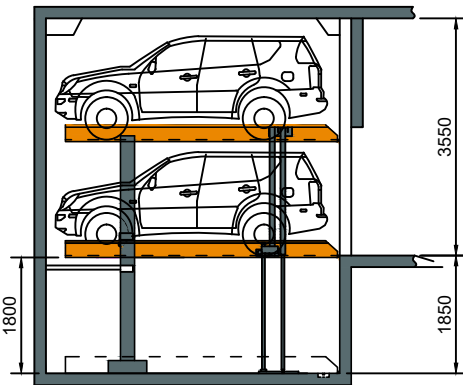
Both platform are in a horizontal position to drive in.

Load per platform 3200 kg.
Load per wheel 800 kg.

Only Applicable if the garage door are to be fitted
For roller door X = 100 / 150

To be clarified with the door supplier

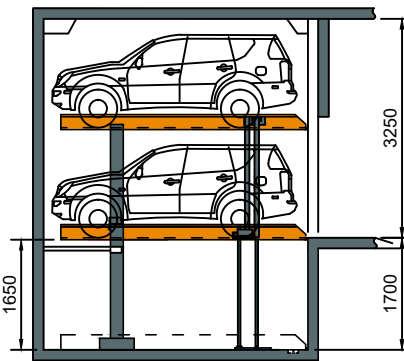
Standard Type



Car height		Distance (h)
Upper level	Car up to 1650 mm	
Lower level	Car up to 1650 mm	1700 mm

Clear height of 340 cm is sufficient, if just cars up to a height of 150 cm shall be parked on the upper level

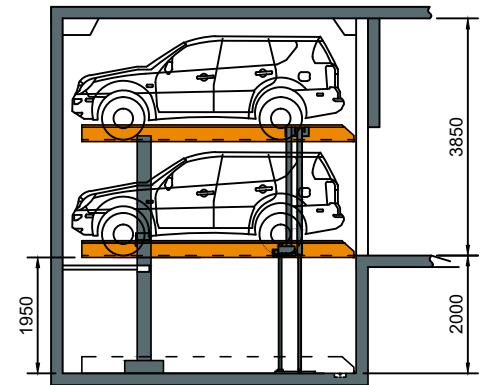
Compact Type



Car height		Distance (h)
Upper level	Car up to 1500 mm	
Lower level	Car up to 1500 mm	1550 mm

Please attend to restricted car- and platform distance height!

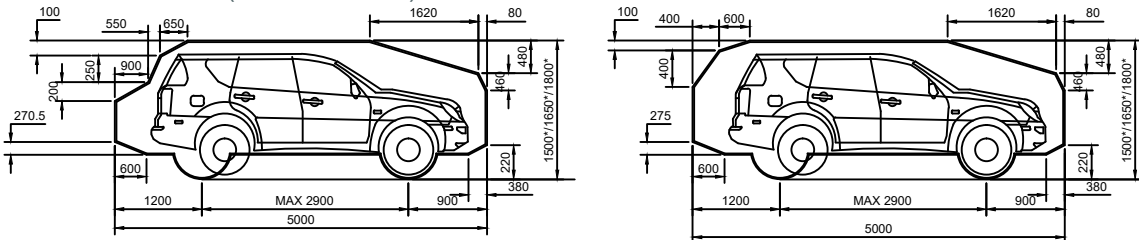
Comfort Type



Car height		Distance (h)
Upper level	Car up to 1800 mm	
Lower level	Car up to 1800 mm	1850 mm

Clear height of 355 cm is sufficient, if just cars up to a height of 150 cm shall be parked on the upper level.

Clarence Profile (Slandered Car)



*The total car height includes roof rail and antenna fixture and must not exceed the mentioned max. height dimension.

Notes

1. Car width max. 190 cm (see width details page 2). In case of special platform widths narrower than 230 and 460 cm respectively, the maximum vehicle width is reduced accordingly. For cars with two outside mirrors, a minimum platform width of 250–270 cm or 500–540 cm is recommended.
2. Due to recent increases in car length dimensions, and potential future developments, a pit length of 540 cm is advisable. This offers bigger safety distances also for future cars.
3. At the edge of the pit a 10 cm wide, yellow-black marking according to ISO 3864 has to be provided by the purchaser (see "static and construction requirements" on page 3).
4. It is not possible to have channels or undercuts and/or concrete haunches along the pit floor-to-wall joints. In the event that channels or undercuts are necessary, the system width needs to be reduced or the pit needs to be wider.



Office Location
3 Gobindo Auddy Road,
Post office : Alipore,
Kolkata - 700027.
West Bengal



Call Us
(033) - 2448-0447 / 0074 / 1061



Email Address
info@ltparksmart.com



Working Hours
Monday – Saturday 9:00 – 19:00
Services all 7 days a week

Width dimensions · Underground garages

All dimensions shown are minimum. Construction tolerances must be taken into consideration. All dimensions in cm.

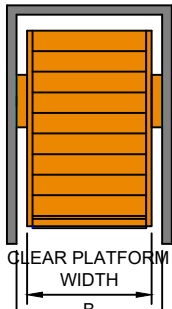
The access to the Parklift is possible with max.3% declination and max.10% inclination.

If not stated differently in the offer, platform widths of 230 cm or 460 cm will be delivered. Bigger/smaller platform widths can be delivered at additional price

With platform widths 250, 260 and 270cm special reinforced units with max. platform loading capacity of 2.300kg are available for big limousines e.g. Mercedes-Benz S-class

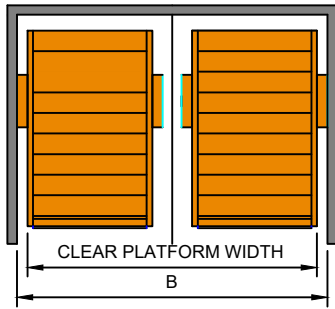
Wall to wall

Single Unit (2 Cars)



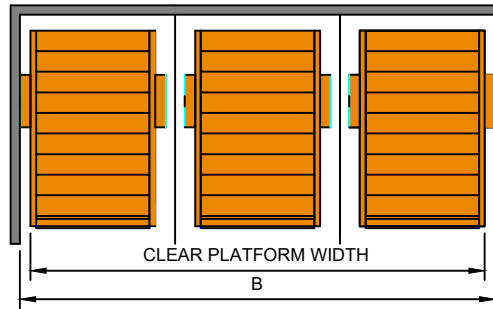
Space required (B)	Gives clear platform width
2600	2300
2700	2400
2800	2500
2900	2600
3000	2700

Double Unit (4 Cars)



Space required (B)	Gives clear platform width
4900	4600
5100	4800
5300	5000
5500	5200
5700	5400

Combined Unit (6 Cars)



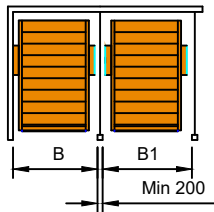
Space required (B)	Gives clear platform width
7500	4600 + 2300
7800	4800 + 2400
8100	5000 + 2500
8400	5200 + 2600
8700	5400 + 2700

Wall openings required between partitions for electrical and hydraulic conduits must be provided where applicable. Wall openings may not be closed after installation.

Further width combinations as well as smaller widths are possible

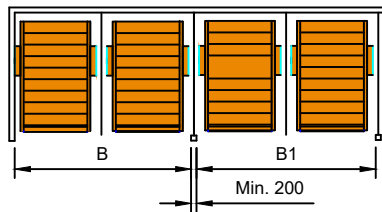
Pillars outside pit

Single Unit (2 Cars)



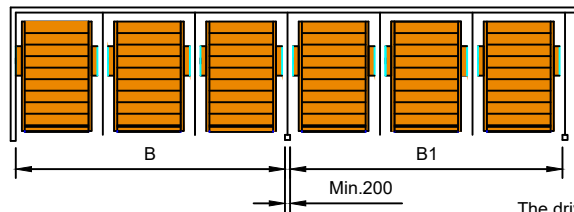
Space wall pillar (B)	Require pillar pillar (B1)	Gives clear platform width
2500	2400	2300
2600	2500	2400
2700	2600	2500
2800	2700	2600
2900	2800	2700

Double Unit (4 Cars)



Space wall pillar (B)	Require pillar pillar (B1)	Gives clear platform width
4800	4700	4600
5000	4900	4800
5200	5100	5000
5400	5300	5200
5600	5500	5400

Combined Unit (6 Cars)



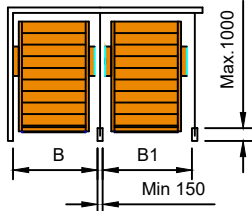
Space wall pillar (B)	Require pillar pillar (B1)	Gives clear platform width
7400	7300	4600 + 2300
7700	7600	4800 + 2400
8000	7900	5000 + 2500
8300	8200	5200 + 2600
8600	8500	5400 + 2700

The driving aisle width to be compliant with country regulations locally in force.

Further width combinations as well as smaller widths are possible

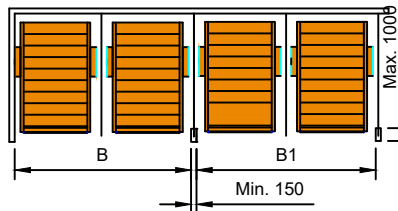
Pillars inside pit

Single Unit (2 Cars)



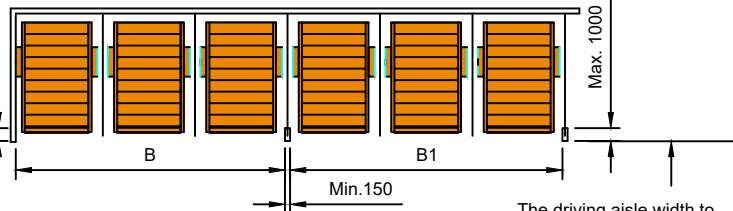
Space wall pillar (B)	Require pillar pillar (B1)	Gives clear platform width
2550	2450	2300
2650	2550	2400
2750	2650	2500
2850	2750	2600
2950	2850	2700

Double Unit (4 Cars)



Space wall pillar (B)	Require pillar pillar (B1)	Gives clear platform width
4850	4750	4600
5050	4950	4800
5250	5150	5000
5450	5350	5200
5650	5550	5400

Combined Unit (6 Cars)



Space wall pillar (B)	Require pillar pillar (B1)	Gives clear platform width
7450	7350	4600 + 2300
7750	7650	4800 + 2400
8050	7950	5000 + 2500
8350	8250	5200 + 2600
8650	8550	5400 + 2700

The driving aisle width to be compliant with country regulations locally in force.

Further width combinations as well as smaller widths are possible

Important notes

If maximum platform widths are not installed, difficulties might arise when entering or exiting the cars on the parking units. This depends on the car type, the access and the individual driving behavior.

Cars wider than 190 cm should be parked on platforms 270/540 cm width only.

For spaces against walls, or at end of rows, we recommend that largest possible platform widths are utilized to assist turning motion.

Width dimension. Garages with doors

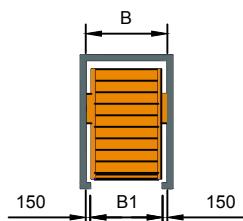
All dimensions shown are minimum. Construction tolerances must be taken into consideration. All dimensions in cm.

The access to the Parklift is possible with max.3% declination and max.10% inclination.

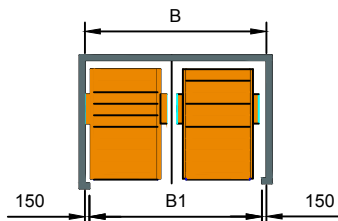
If not stated differently in the offer, platform widths of 230 cm or 460 cm will be delivered. Bigger/smaller platform widths can be delivered at additional price.

With platform widths 250, 260 and 270cm special reinforced units with max. platform loading capacity of 2.300kg are available for big limousines e.g. Mercedes-Benz S-class

Single garages (2) cars



Double garages (4) cars



x = for doors. See page 1

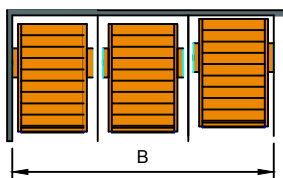
Wall openings required between partitions for electrical and hydraulic conduits must be provided where applicable. Wall openings may not be closed after installation.u

The driving aisle width to be compliant with country regulations locally in force

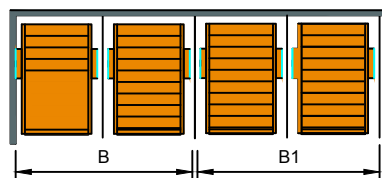
Space required B	B1	gives clear platform width
260	230	230
270	240	240
280	250	250
290	260	260
300	270	270

Space required B	B1	gives clear platform width
490	460	460
510	480	480
530	500	500
550	520	520
570	540	540

Serial garages with single doors (2 cars)



Serial garages with double doors (4 cars)

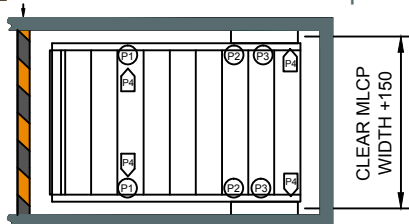


Space required B	B1	gives clear platform width
260	230	230
270	240	240
280	250	250
290	260	260
300	270	270

Space required B	B1	gives clear platform width
490	460	460
510	480	480
530	500	500
550	520	520
570	540	540

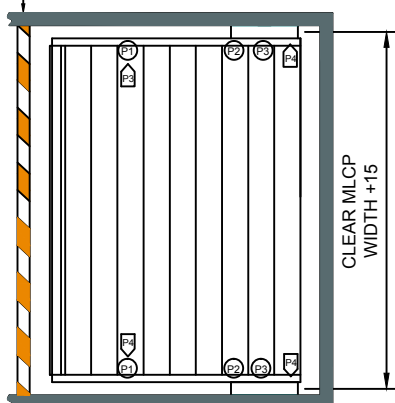
The driving aisle width to be compliant with country regulations locally in force

Static and construction requirements



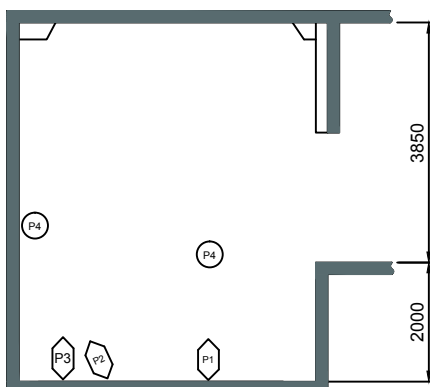
P1 = +36kN *
- 7kN
P2 = + 2kN
- 3kN
P3 = +14kN
- 3kN
P4 = + 3kN

Marking according to ISO 3864



P1 = +66kN
- 6kN
P2 = + 3kN
- 6kN
P3 = +23kN
- 3kN
P4 = + 3kN

*all static loadings include the weight of the car
Marking



	A
Parklift 440-165/170	72
Parklift 440-200/195	42
Parklift 440-185/180	57

Bearing loads are transmitted to the pit floor by base plates of approximately 140 cm², fixed by heavy duty anchor bolts to a depth of approximately 10–12cm. Base plate thickness min. 18 cm. Concrete quality according to the static requirements of the building, but for the dowel fastening we require a concrete quality of min. C20/25. When fixing to waterproof concrete floors chemical anchors are employed (to be advised by LT ParkSmart). The front wall of the pits must be formed of concrete and must be perfectly flat and vertical without any protrusions. The specified lengths to the support points are mean values. Please contact us for exact positions for any variations on the standard units.

Hydraulic power pack

The location of the hydraulic power pack is determined according to your plan – space requirements are as follows:

Dimensions are in cm	1–5 Parklifts	6–10 Parklifts
Length =	1 0 0	1 5 0
Height =	1 4 0	1 4 0
Depth =	3 5	3 5

Electrical Data

Item	Performance	Quantity	Designation	Position	Frequency
01	By customer	1 Unit	Electric meter	In the feed cable	
02	By customer	1 Unit	Fuse or automatic circuit breaker 3x16 A slow blow acc. to DIN VDE 0100 p. 430	In the feed cable	1 per power pack
03	By customer	As locally required	Acc. to locally power supply regulations 3PH + N + PE*	Feed cable to main switch.	1 per power pack
04	By customer	Each 10 M	e bonding safety load out connection	Comer pit floor / rear wall	
05	By customer	1 Unit	equipotential bonding safety compliant to the DIN EN 60204 standard.	From the lead-out connection to the system.	1 per car lift
06	By customer	1 Unit	Mark main switch , lockable to prevent unauthorized switching on	Above operating device	1 per power pack
07	By customer	10 M	PVC control cable with marked strands and protective conductor 5 x 1,5 sq.	From main switch to hydraulic power pack	1 per power pack

Items 8–16 are included in LT ParkSmart's scope of delivery unless otherwise specified in the offer / order.

* DIN VDE 0100 part 410 + 430 (not under permanent load) 3PH+N+PE (three-phase current) Note: Where a door is used to close the garage, the manufacturer of the door must be consulted before the electric cable is laid.

The electrical components supplied by the manufacturer must be connected in accordance with the appropriate wiring diagram and local regulations. German VDE electrical requirements must be adhered to, in order to validate the TÜV tested circuit. The electrical supply to the power pack(s) must be provided prior to or during installation to

enable our fitters to complete their work satisfactorily and to check the correct functioning of the units. In compliance with the DIN EN 60204 standard provisions, all systems must be connected directly on site with an earthed equipotential bonding. The lead out connection must be at a 10 m distance!

Noise protection

Basis is the German DIN 4109 "Noise protection in buildings". With the following conditions required 30 dB (A) in rooms can be provided:

- noise protection package from our accessory
- insulation figure of the construction of min. R'w = 57dB
- walls which are bordering the parking systems must be done as single wall and deflection resistant with min. m² = 300 kg/m²
- solid ceiling above the parking systems with min. m² = 400 kg/m²

At differing constructional conditions additional sound absorbing measures are necessary. The best results are reached by separated sole plates from the construction.

Increased noise protection:

If increased noise protection must be provided planning has to be confirmed on a project base by LT ParkSmart (bigger building measurements are required).

Temperature

The installation is designed to operate between +5°C and +40°C. Atmospheric Humidity: 50% at +40°C. If the local circumstances differ from the above please contact LT ParkSmart.

Hydraulic Power Pack

For the accommodation of the hydraulic power packs an additional space is required which will be determined during the verifications of the drawings, e.g. in a wall recess.

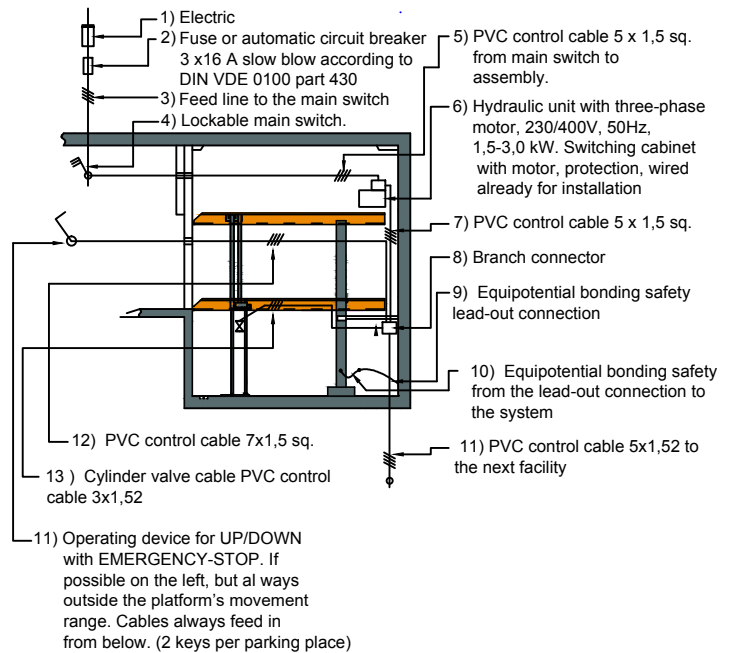
Dimensions

All dimensions shown are minimum. Construction tolerances must be taken into consideration. All dimensions in mm.

Railings

The units need to be provided acc. EN ISO 13857 with safety railings if the gap between unit and wall exceeds 200 mm. If walkways are arranged directly to the side or behind the systems, railings have to be provided by client acc. to local requirements, height min. 2000 mm – this is applicable during the construction phase too.

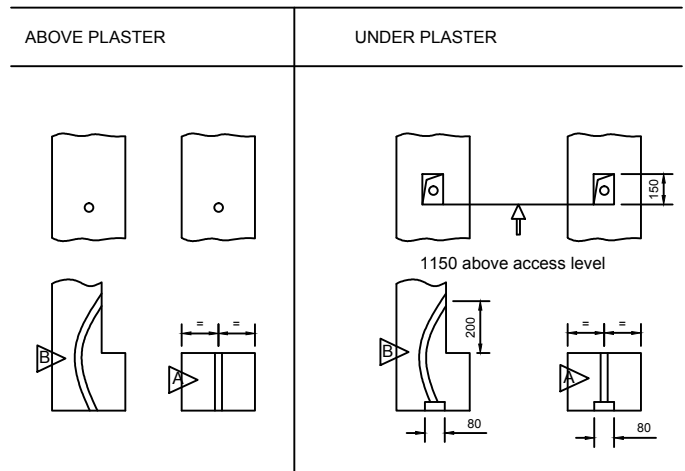
Installation Diagram



Protection against corrosion

Independent of a maintenance workings has to be carried out acc. to LT ParkSmart Cleaning and Maintenance Instruction regularly. Clean up galvanized parts and platforms of dirt and road salt as well as other pollution (corrosion danger)! Pit must be always ventilated and deaired well.

Recesses and conduits for rotary switches with rolling and sectional gates



A Plastic or steel armored conduit M 20

B Flexible plastic insulation pipe M 20

Free spaces

Special drawings for free spaces to accommodate air ducts or other pipes can be requested at LT ParkSmart Agent!

Illumination

Illumination has to be considered acc. to local requirements by client.

Maintenance

Regular maintenance by qualified personnel can be provided by means of an Annual Service Contract.