



AUTOMOTION PARKING SYSTEMS
THE TRUE TURNKEY PARKING SOLUTIONS

AUTOMOTION LP SYSTEM

FULLY-AUTOMATED LATERAL PARKING SYSTEM

AutoMotion's LP System was developed for narrow and limited spaces. A longitudinal configuration reduces the width requirement. This means LP System can fit in where narrow rows of buildings are being refurbished or in small spaces between existing buildings.



AUTOMOTION PARKING SYSTEMS, LLC

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LP SYSTEM

ABOUT LP SYSTEM

The LP system is our solution for long and narrow sites. Based on a modular concept that can be built above or below grade, the LP easily adapts to meet the space requirements of any prospective parking location



The LP system is our solution for long and narrow sites. Based on a modular concept that can be built above or below grade, the LP easily adapts to meet the space requirements of any prospective parking location. The LP accommodates a variety of car heights, adding to its flexibility. Like all Automotion parking systems, the LP retrieves cars quickly, minimizing the driver's wait time. In addition, the LP's rotating turntable platform positions the vehicle toward the exit, allowing the driver to proceed immediately forward



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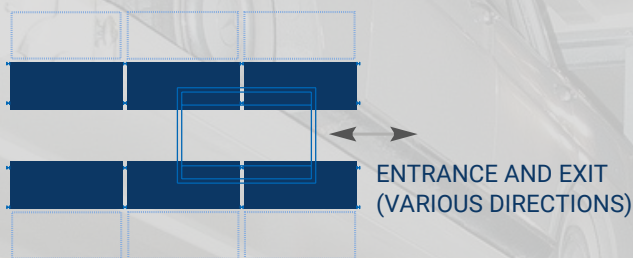
sales@automotionparking.com

FEATURES: LPM SYSTEM

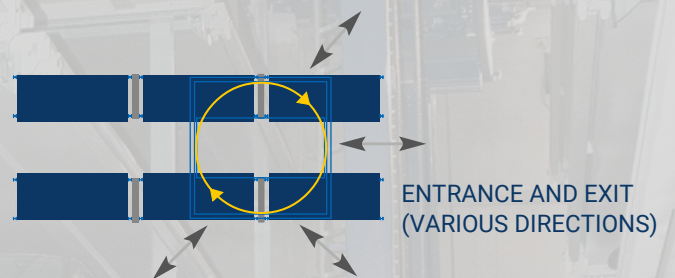
- Double and mixed row configurations
- Transfer room is centrally located above the vehicle storage and retrieval unit.
- Turntable can be installed with or without wallplates*

**Wall plates may be needed to maintain the structural integrity of the building.*

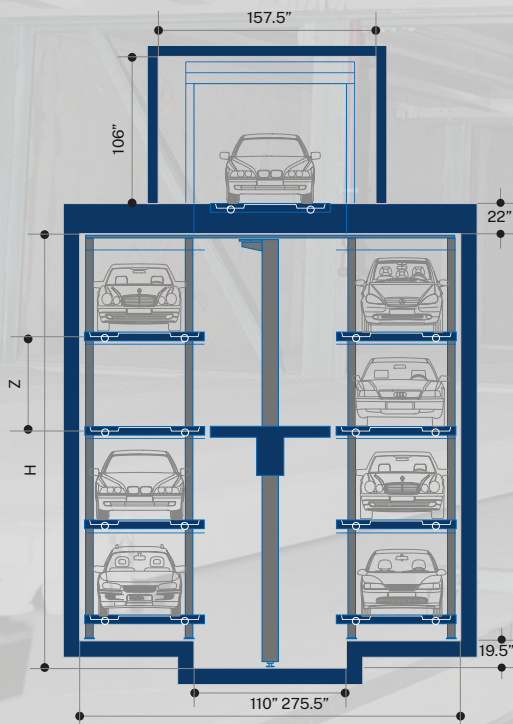
WITHOUT TURNTABLE



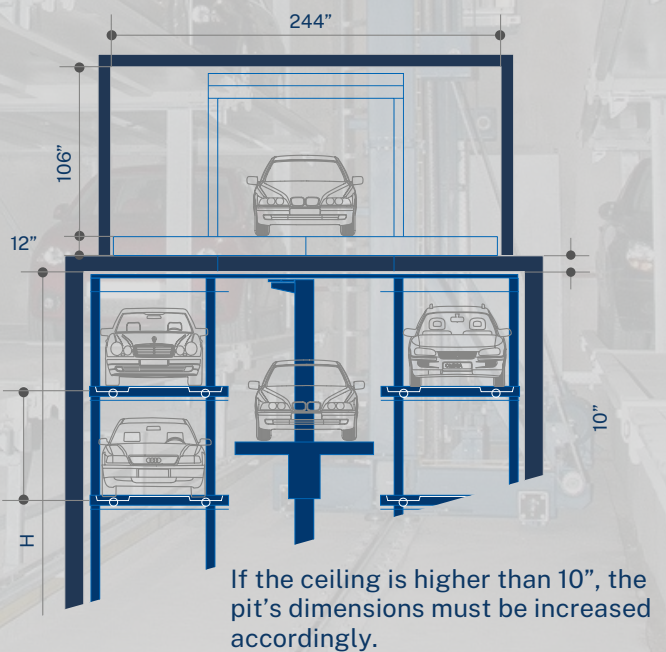
WITH TURNTABLE



ROOM WIDTH (WITHOUT TURNTABLE)



ROOM WIDTH (WITH TURNTABLE)



If the ceiling is higher than 19.5", the pit's dimensions must be increased accordingly.

Dimension Z depends on the car height:

Car height = 63" Z= 68"

Car height = 79" Z= 83.5"

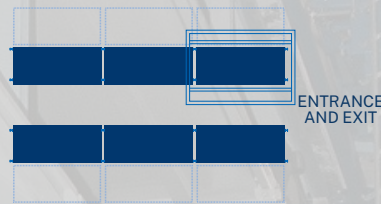
The LP system allows for many possible car heights.



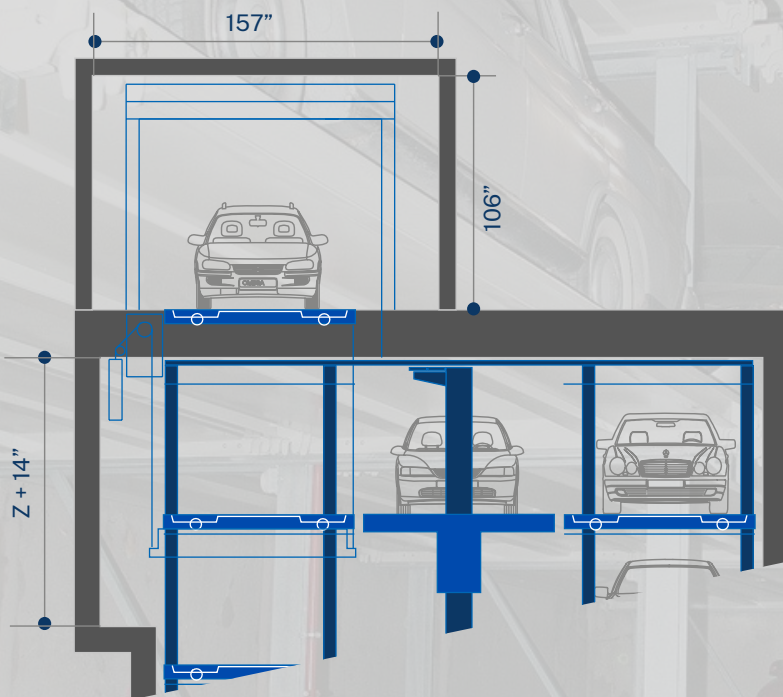
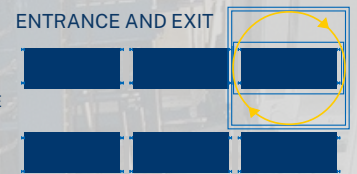
FEATURES: LPS SYSTEM

- Double and mixed row configurations
- Transfer room is located laterally above the shelves
- Turntable can be installed with or without wall plates*
- Elevator quick-change system minimizes access times
- Elevator can be adapted based on ceiling height

WITHOUT TURNTABLE



WITH TURNTABLE



Dimension Z depends on the car height:
 Car height = 63" Z= 68"
 Car height = 79" Z= 53"
 The LPS system allows for many possible car heights.

HOW AUTOMATED PARKING SYSTEM WORKS

Transfer room



Vehicles will be parked head-in inside the transfer room and checked for the correct position. The vehicle will then be parked via the turntable or directly via the storage and retrieval unit onto an empty shelf. To exit, the vehicle will be returned to the driver's head-out. At no time is the driver ever allowed to interact with the automated mechanism.

Turntable



Once the vehicle is parked inside the transfer room, the position checked and passengers have exited, the vehicle will be rotated to a head-out position and parked automatically. The turntable allows for any angle position for entry and exit.

Rack structure



The system can be constructed around a free-standing or in-house steel rack framework. The vehicles are delivered onto parking pallets situated on a rack. As an alternative, a concrete rack structure can be used with pallet rails bolted to the intermediate slabs.

Storage and retrieval unit (SRU)



The automatic storage and retrieval unit moves on vertical and horizontal lines to service the various units of the racks. This system allows for the doubling of available parking compared to conventional garage operations.



ADDITIONAL INFORMATION

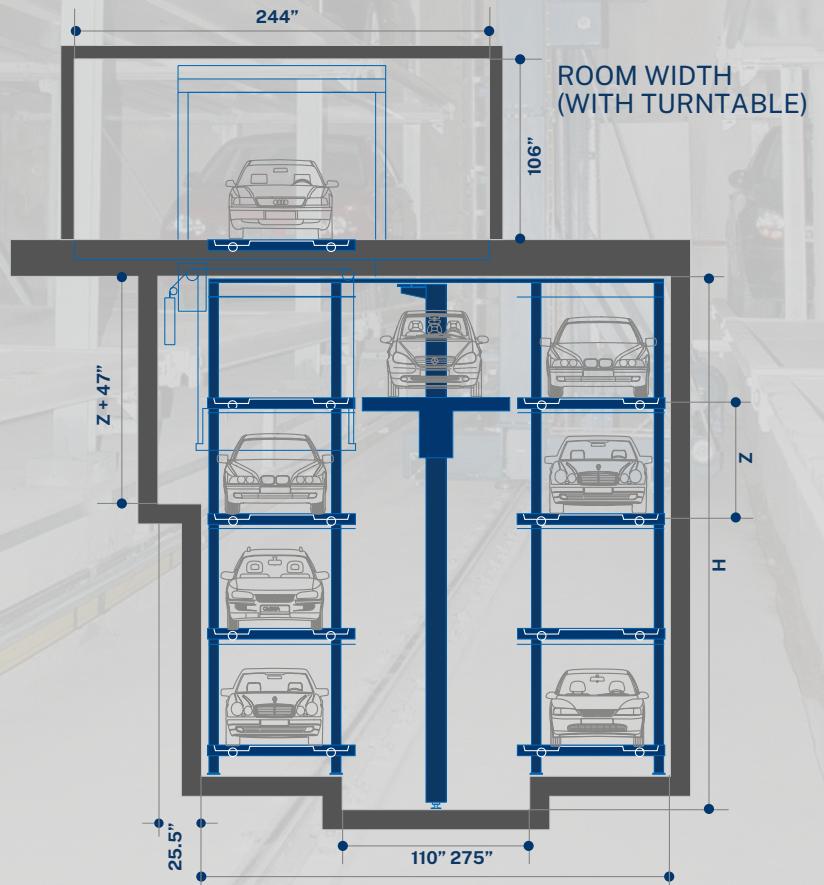
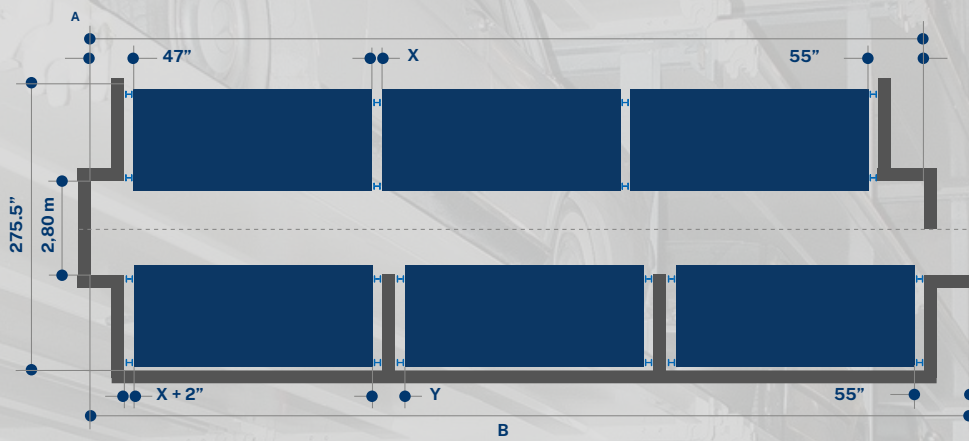
SHARED FEATURES: LPM AND LPS

Dimensions of parking platform 17.1'
 (205") x 7.2' (86.5")*

**Assumes vehicle dimensions of 200" (16.7') L x 83" W. All dimensions refer to these platform dimensions.*

PALLET DIMENSIONS CUSTOMIZED

X without wall plates / Y with wall plates
 30 cm 2 and 3 levels: X = 7" / Y = 24"
 4 and 5 levels: X = 8.5" / Y = 27.5"
 6 and 7 levels: X = 9" / Y = 29"



Dimensions for free-standing systems are available upon request.

Control cabinets must be installed in a room with a minimum surface area of 8.5' (102") x 70" and a height of 86". Please note that the control cabinets should be located close to the transfer room.



OUR COMPANY

AutoMotion is an innovative parking system that combines a traditional elevator parking system with computerized guidance software. This allows AutoMotion to maximize the number of cars a location can handle while automating the entire vehicle storage and retrieval process. AutoMotion Parking Systems employs a comprehensive staff of architects, engineers, and automated site planning solution specialists to aid in the development of your project. AutoMotion Parking Systems is the leader in transient parking systems in The United States.

UNIVERSAL PARKING SYSTEM (UP)

UNIVERSAL PARKING SOLUTION

- Customized configurations.
- Installation above or below grade
- Retrieves cars quickly, minimizing driver wait times.
- The turntable allows drivers to enter/exit in a driving direction.
- Accommodates a variety of vehicle heights.
- Suitable for public use.

LATERAL PARKING SYSTEM (LP)

PARKING SOLUTION FOR NARROW BUILDINGS

- Customized configurations.
- Installation above or below grade.
- Retrieves cars quickly, minimizing driver wait times.
- A turntable allows drivers to enter/exit in a driving direction.
- Accommodates a variety of vehicle heights.

SHUTTLE PARKING SYSTEM (SP)

PARKING SOLUTION FOR A LARGE NUMBER OF PARKING SPOTS AND HIGH-VOLUME TRAFFIC

- Customized configurations.
- Retrieves cars quickly, minimizing driver wait times.
- A turntable allows drivers to enter and exit in a driving direction.
- Accommodates a variety of vehicle heights.
- Suitable for public use.
- Works best in concrete buildings.

TOWER PARKING SYSTEM (TP)

PARKING SOLUTION FOR SPACES WITH MINIMUM SURFACE AREA AND HIGH HEADROOM

- Customized configurations
- Installation above or below grade
- Retrieves cars quickly, minimizing driver wait times
- A turntable allows drivers to enter/exit in a driving direction
- Accommodates a variety of vehicle heights
- Suitable for public use

WHY OUR AUTOMATED PARKING SYSTEM?

Our fully automated parking garages increase parking up to 100% by sliding cars closer together, both side-to-side and bumper-to-bumper.

Our parking platform allows parking two levels deep with independent access to any car. This can maximize space normally lost in driving lanes and behind columns.

Our turntable allows convenient access in narrow and limited spaces.

