



CITY PARK
The way parking should be



EFFICIENT
RELIABLE
SAFE





PLANNING FOR CAR PARKING

When natural parking cannot meet the parking requirement due to space constraint, automated car parking becomes the obvious solution.

Car Parking has become an integral part of vertical transportation in a building and assumes the same importance as the elevators.

At the planning stage, car parking influences the building design and car parking requirements to be tailored to the building constraints. In the planning process, generally meeting the quantity of parking is given the utmost importance at the cost of quality of parking.

Quality of parking refers to parking and retrieval time, traffic management within the building premises and ease of parking. When the parking lot size increases the quality of parking assumes greater importance.

Car parking traffic follows similar requirement of elevator traffic in the building. It is imperative that in large parking lots, the handling capacity and waiting time for parking should be in line with elevator traffic parameters as the user group remains same. This influences the type of system that can meet the requirement.

Planning for parking has to be addresses for both quantity and quality of parking which applies to the building.

'CITY PARK' has many types of parking systems to meet every situation and provides best solution meeting quantity and quality consideration.

'CITY PARK' provides from 'CONCEPT TO COMMISSIONING' Customer service and services the system for lifetime on AMC basis.



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CITY PARK PROVIDES VARIOUS PARKING SYSTEMS COMPLETE WITH HIGHLY EFFICIENT, RELIABLE & SAFE SYSTEMS.

PUZZLE PARKING

Puzzle parking is a simple & economical automatic system suitable for small batch sizes. Puzzle parking offers many configurations to suit space limitations, where large footprint & low heights are available.



ELE PUZZLE PARKING

This system is a combination of elevator & puzzle operations. This system is ideal for heights between 8 levels to 18 levels. Complete safety device and simple operation.



TOWER PARKING

Tower parking systems are well suited where small footprint with high rise space is available. Tower parking is a lift based system which has many configurations such as 2 columns, 3 columns & 4 columns parking with low & mid entry type. These systems are suitable for batch sizes of 50 to 100 cars in a single system. This system can be stand-alone (Independent type) or can be inside a building (Built-in Type). Both transverse & longitudinal versions are available.



CART PARKING

This system is ideally suited for large footprint & low height. This system has both pallet & pallet-less versions with quick operations time suitable for 200 or more parking slots. Both transverse & longitudinal versions are available.



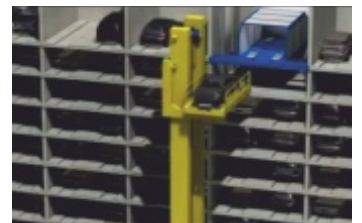
CAR BOT PARKING

Quick operation time of pallet less system and a few advantages of pallet system. The robot lifts and shifts the car for parking.



TRANSLATOR PARKING

For parking/retrieval, translator runs along the horizontal way and at the same time, trolley mounted on translator starts to operate vertically. Average time of parking/retrieval is less than a minute. Adding number of entrance and exit or arranging their locations in flexible ways, either will lead to increase of car park number and easier management of traffic flow.



ROTARY PARKING

Rotary parking is ideal for small batch of 20 car parking slots. It is suitable for indoor and outdoor application. It is compact and most effective in small space.



PUZZLE PARKING

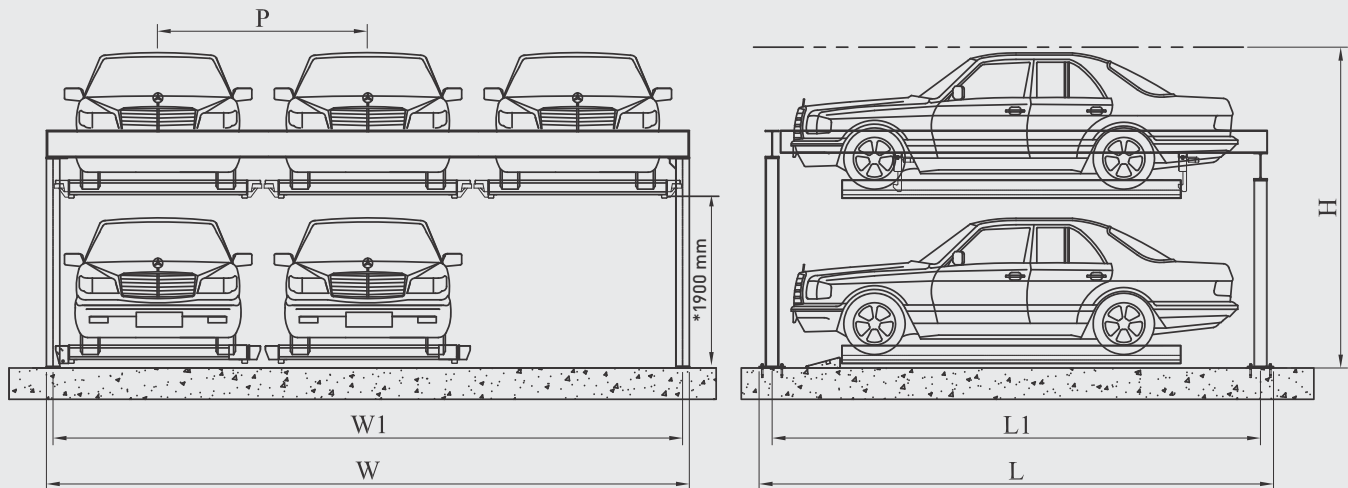
Puzzle parking is a simple & economical automatic system suitable for small batch sizes. Puzzle parking offers many configurations to suit space limitations, where large footprint & low heights are available.



SPECIAL FEATURES

- ▶ It offers best use of space.
- ▶ Ideal for 7 levels above ground and 3 levels below ground (Pit). 10 to 50 car sizes per unit.
- ▶ It offers quick vehicle in and out time.

PUZZLE PARKING - TWO LEVEL



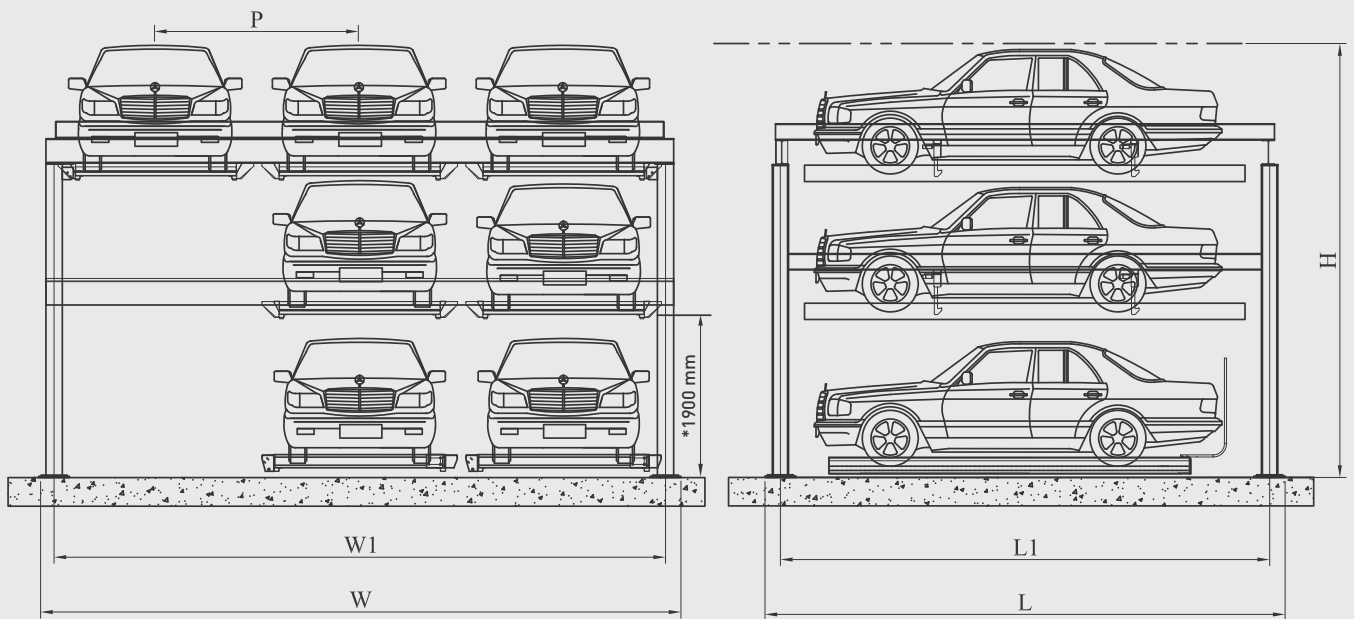
STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2350mm	2400mm	2450mm
Post Center Distance	W1	7050mm	7200mm	7350mm
Out Width	W	7250mm	7400mm	7550mm
Front & Back Post Center Distance	L1	5150mm	5450mm	5750mm
Out Length	L	5450mm	5750mm	6050mm
System Height	H	3900 mm		
Rated Speed		Lift Speed: 3-6m/min		Traverse Speed: 6-9m/min
Motor Power	Lift	2.2 kw		
	Traverse	0.2 kw		
Driving Mode		motor+chain		
Control Mode		PLC program control		
Operation Mode		Button+RFID card (customized)		
Power Supply		3N, AC, 380V, 50HZ		
Parking Mode		Reverse		
Average pick-up time		42 secs		

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 43 batch sizes

PUZZLE PARKING - THREE LEVEL

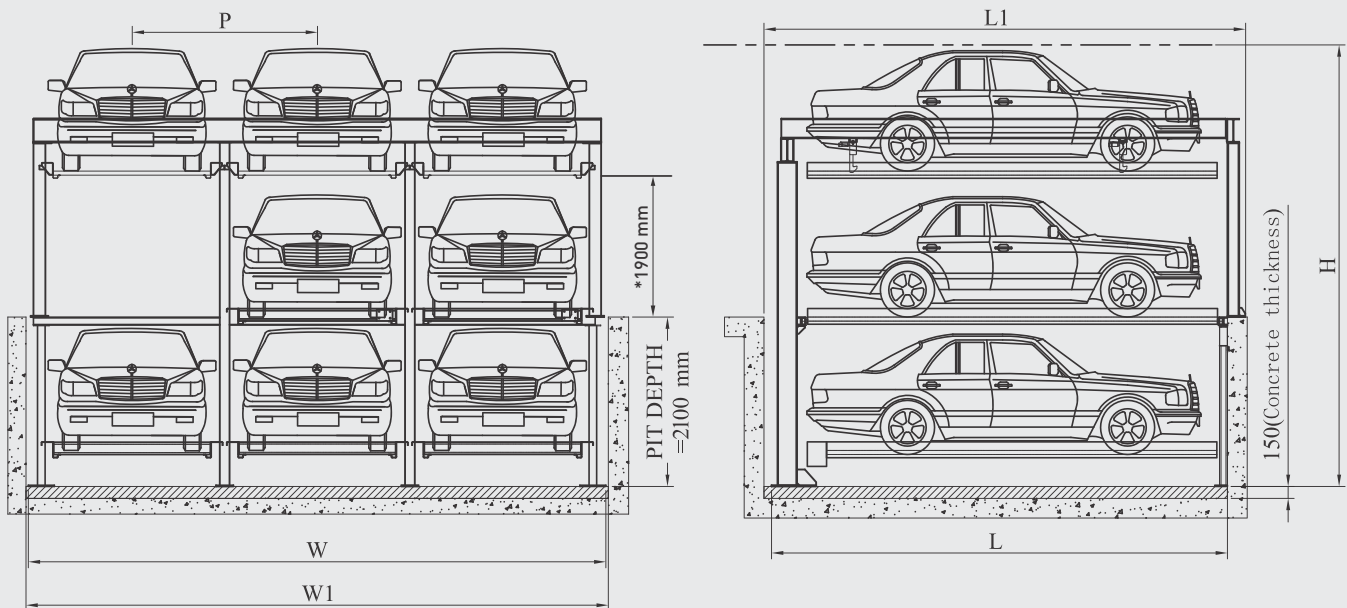


STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2450mm	2500mm	2550mm
Post Center Distance	W1	7350mm	7500mm	7650mm
Out Width	W	7650mm	7800mm	7950mm
Front & Back Post Center Distance	L1	5550mm	5850mm	6150mm
Out Length	L	5850mm	6150mm	6450mm
System Height	H	5500mm		
Rated Speed		Lift Speed: 3-6m/min		Traverse Speed: 6-9m/min
Motor Power	Lift	2.2 kw		
	Traverse	0.2 kw		
Driving Mode		motor+chain		
Control Mode		PLC program control		
Operation Mode		Button+RFID card (customized)		
Power Supply		3N, AC, 380V, 50HZ		
Parking Mode		Reverse		
Average pick-up time		52 Secs		

* This height is recommended at entry level to avoid injuries to users.
 Note: This system is recommended up to 6 columns - 43 batch sizes

PUZZLE PARKING - THREE LEVEL WITH PIT



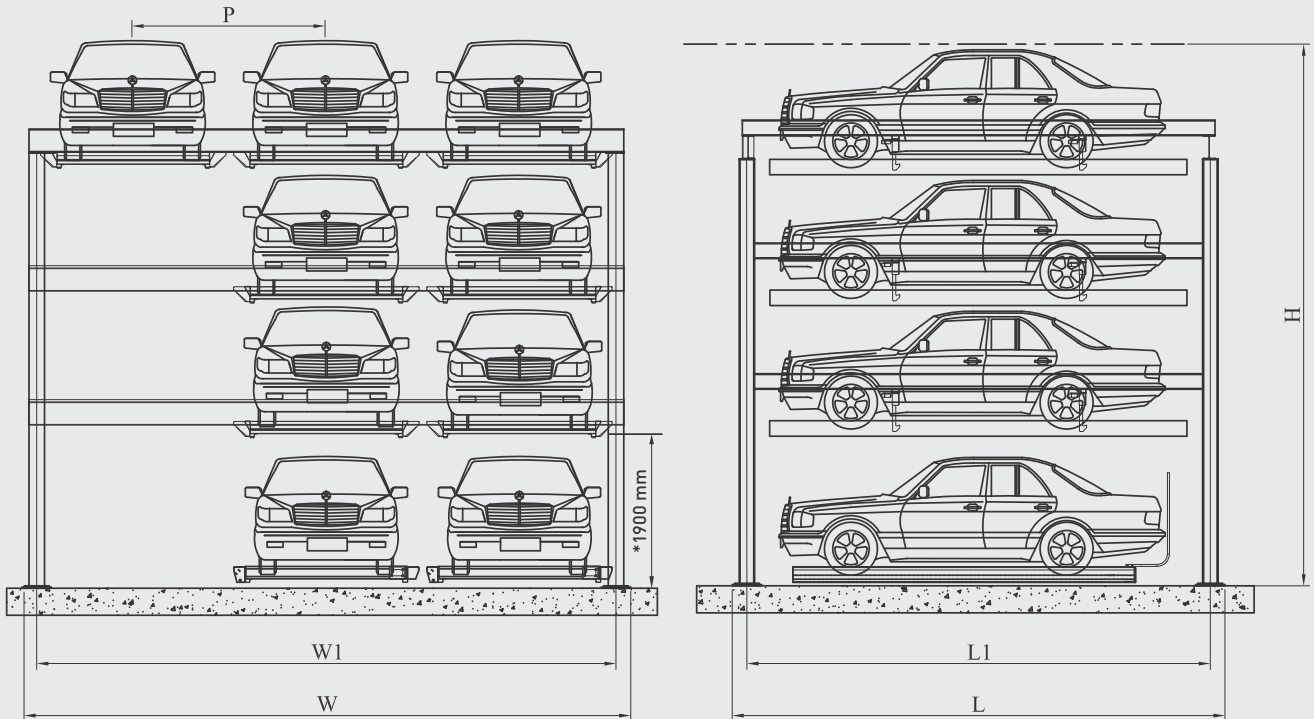
STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2350mm	2400mm	2450mm
Structure Width	W	7050mm	7200mm	7350mm
Pit Width	W1	7250mm	7400mm	7550mm
Out Length of Structure	L1	5700mm	6000mm	6300mm
Structure Length in Pit	L	5500mm	5800mm	6100mm
System Height	H	6000mm (2100+3900)		
Rated Speed		Lift Speed: 3-6m/min		Traverse Speed: 6-9m/min
Motor Power	Lift	2.2 kw		
	Traverse	0.2 kw		
Driving Mode		motor+chain		
Control Mode		PLC program control		
Operation Mode		Button+RFID card (customized)		
Power Supply		3N, AC, 380V, 50HZ		
Parking Mode		Reverse		
Average pick-up time		52 Secs		

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 54 batch sizes

PUZZLE PARKING - FOUR LEVEL

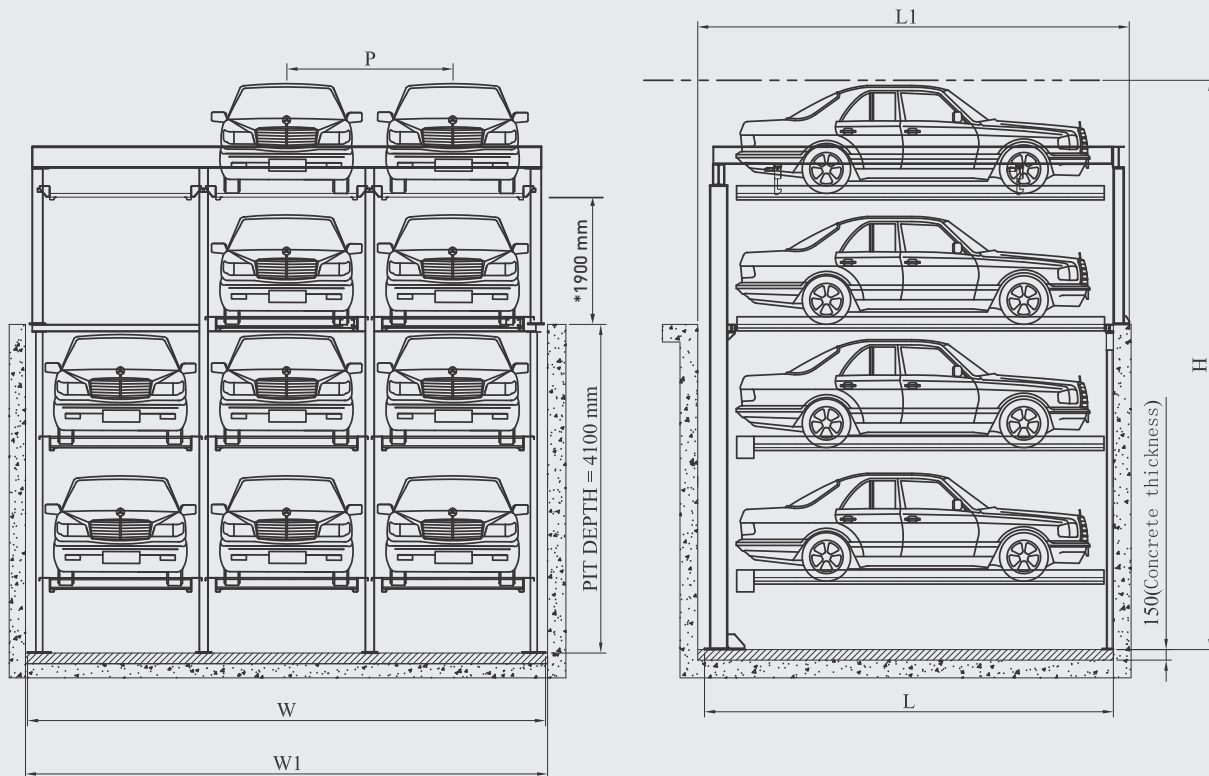


STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2450 mm	2500 mm	2550 mm
Post Center Distance	W1	7350 mm	7500 mm	7650 mm
Out Width	W	7650 mm	7800 mm	7950 mm
Front & Back Post Center Distance	L1	5550 mm	5850 mm	6150 mm
Out Length	L	5850 mm	6150 mm	6450 mm
System Height	H	7200 mm		
Rated Speed	Lift Speed(2-3 lvl): 3-5m/min, 4lvl: 5-8 m/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2-3 lvl - 2.2 kw		4 lvl - 3.7 kw
	Traverse	0.2 kw		
Driving Mode	motor+steel rope			
Control Mode	PLC program control			
Operation Mode	Button+RFID card (customized)			
Power Supply	3N, AC, 380V, 50HZ			
Parking Mode	Reverse			
Average pick-up time	62 Secs			

* This height is recommended at entry level to avoid injuries to users.
 Note: This system is recommended up to 6 columns - 43 batch sizes

PUZZLE PARKING - FOUR LEVEL WITH PIT



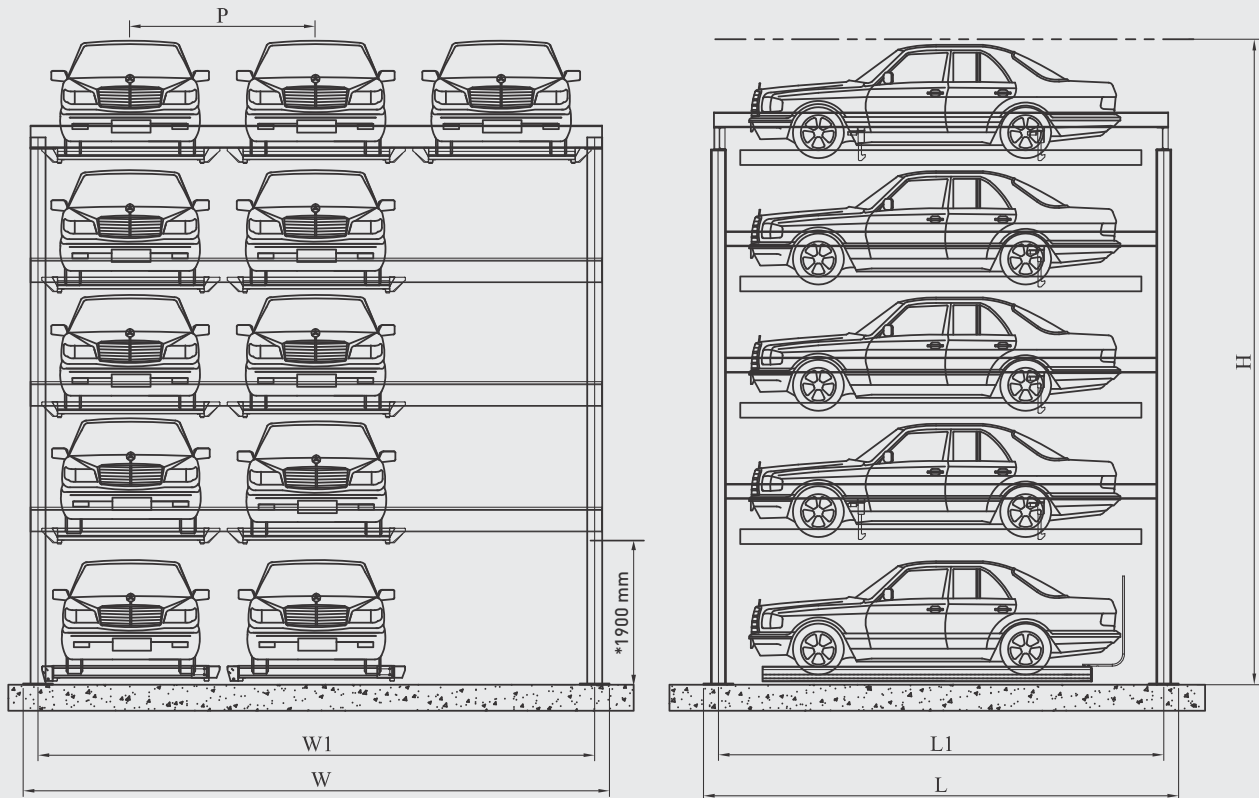
STANDARD DIMENSIONS

Project		Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height		-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight		-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width		P	2450 mm	2500 mm	2550 mm
Structure Width		W	7350 mm	7500 mm	7650 mm
Pit Width		W1	7650 mm	7800 mm	7950 mm
Out Length of Structure		L1	5700 mm	6000 mm	6300 mm
Structure Length in Pit		L	5500 mm	5800 mm	6100 mm
System Height		H	8000 mm (4100 + 3900)		
Rated Speed		Lift Speed: 3-5/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2.2 kw			
	Traverse	0.2 kw			
Driving Mode		motor+chain			
Control Mode		PLC program control			
Operation Mode		Button+RFID card (customized)			
Power Supply		3N, AC, 380V, 50HZ			
Parking Mode		Reverse			
Average pick-up time		62 Secs			

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 54 batch sizes

PUZZLE PARKING - FIVE LEVEL

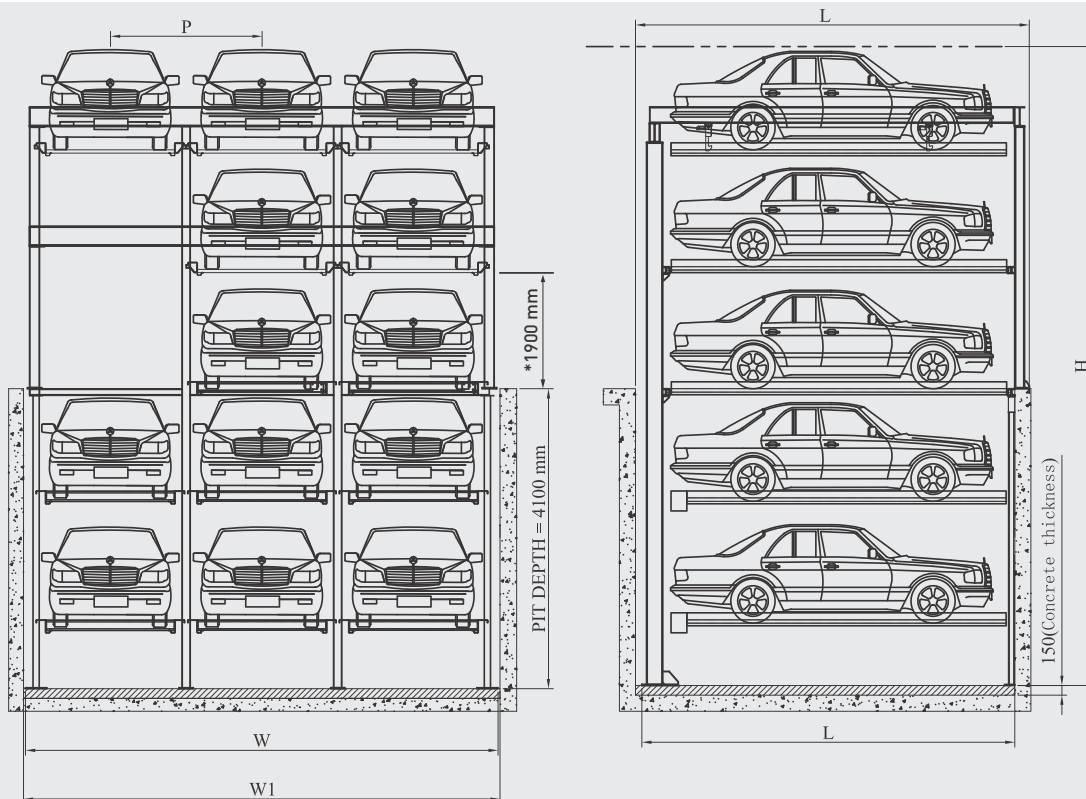


STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2450 mm	2500 mm	2550 mm
Post Center Distance	W1	7350 mm	7500 mm	7650 mm
Out Width	W	7650 mm	7800 mm	7950 mm
Front & Back Post Center Distance	L1	5550 mm	5850 mm	6150 mm
Out Length	L	5850 mm	6150 mm	6450 mm
System Height	H	8800 mm		
Rated Speed	Lift Speed(2-3 lvl): 3-5m/min, 4-5 lvl: 5-8 m/min Traverse Speed: 6-9m/min			
Motor Power	Lift	2-3 lvl-2.2 kw		4-5 lvl - 3.7 kw
	Traverse	0.2 kw		
Driving Mode	motor+steel rope			
Control Mode	PLC program control			
Operation Mode	Button+RFID card (customized)			
Power Supply	3N, AC, 380V, 50HZ			
Parking Mode	Reverse			
Average pick-up time	72 Secs			

* This height is recommended at entry level to avoid injuries to users.
 Note: This system is recommended up to 6 columns - 43 batch sizes

PUZZLE PARKING - FIVE LEVEL WITH PIT



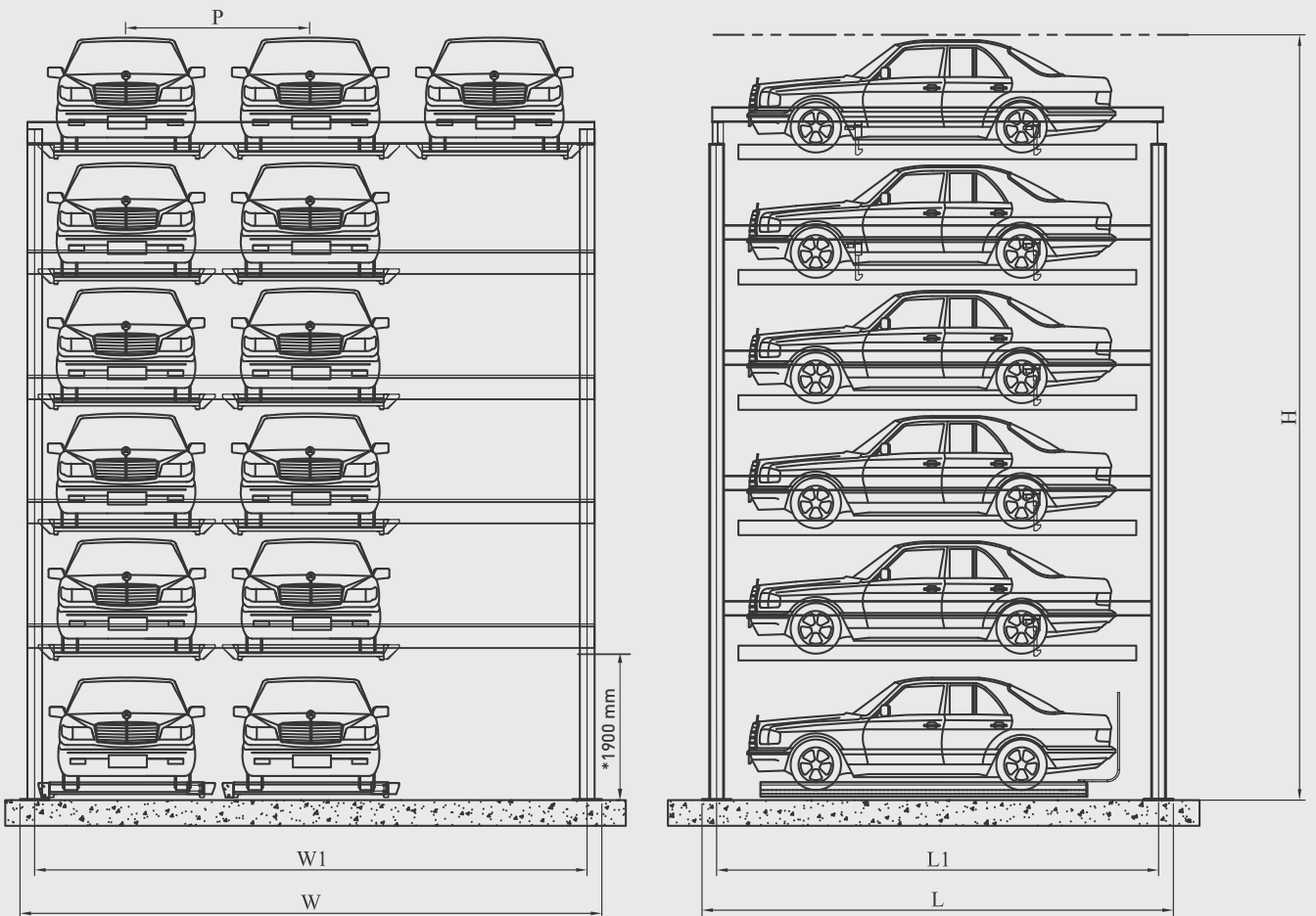
STANDARD DIMENSIONS

Project		Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height		-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight		-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width		P	2450 mm	2500 mm	2550 mm
Structure Width		W	7350 mm	7500 mm	7650 mm
Pit Width		W1	7650 mm	7800 mm	7950 mm
Out Length of Structure		L1	5700 mm	6000 mm	6300 mm
Structure Length in Pit		L	5500 mm	5800 mm	6100 mm
System Height		H	9600 mm (4100 + 5500)		
Rated Speed		Lift Speed: 3-5/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2.2 kw			
	Traverse	0.2 kw			
Driving Mode		motor+chain			
Control Mode		PLC program control			
Operation Mode		Button+RFID card (customized)			
Power Supply		3N, AC, 380V, 50HZ			
Parking Mode		Reverse			
Average pick-up time		72 Secs			

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 54 batch sizes

PUZZLE PARKING - SIX LEVEL

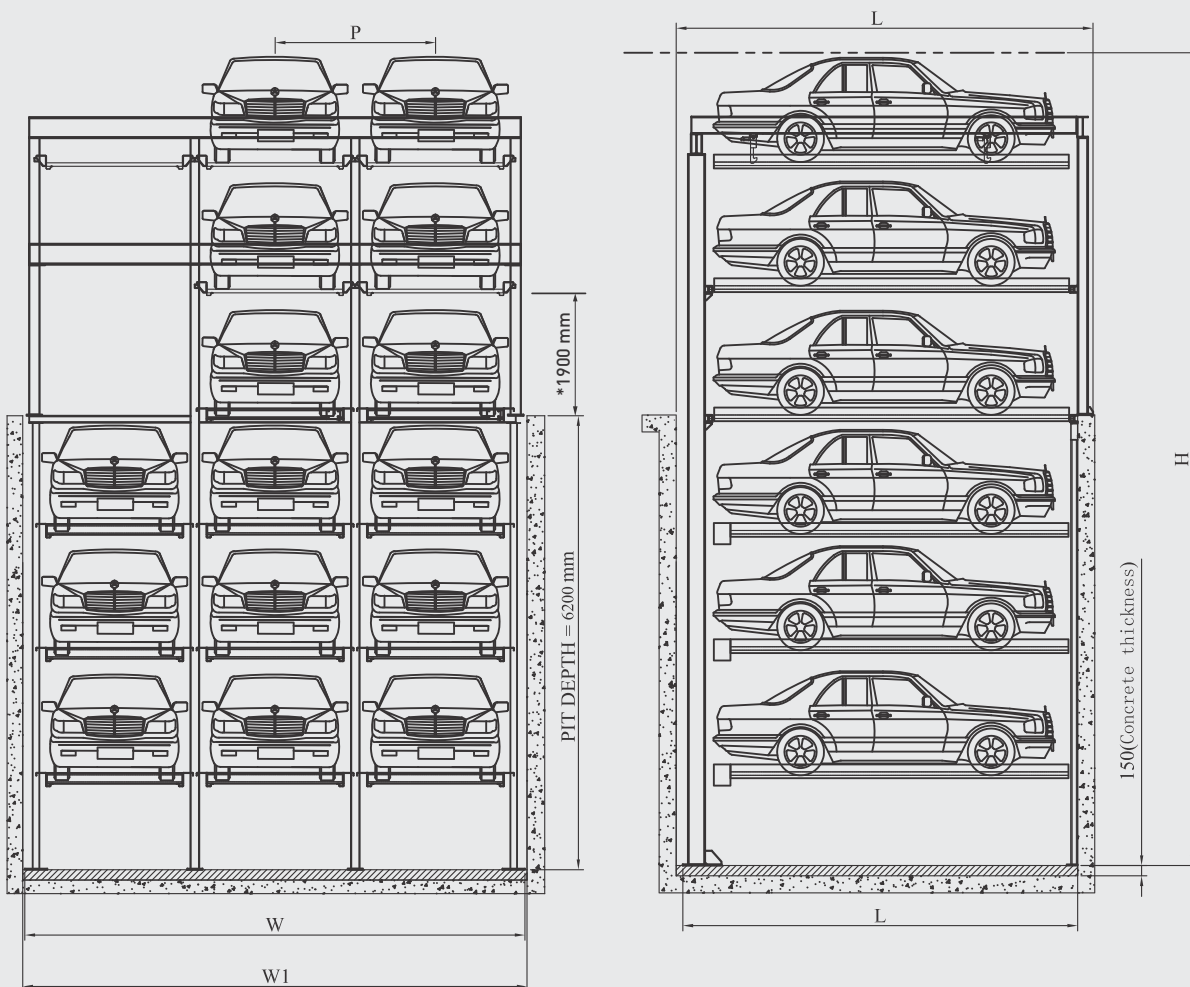


STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2500 mm	2550 mm	2600 mm
Post Center Distance	W1	7500 mm	7650 mm	7800 mm
Out Width	W	7800 mm	7950 mm	8100 mm
Front & Back Post Center Distance	L1	5650 mm	5950 mm	6250 mm
Out Length	L	5950 mm	6250 mm	6550 mm
System Height	H	10500 mm		
Rated Speed	Lift Speed(2-3 lvl): 3-5m/min, 4-6 lvl: 5-8 m/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2-3 lvl-2.2 kw	4-6 lvl - 3.7 kw	
	Traverse	0.2 kw		
Driving Mode	motor+steel rope			
Control Mode	PLC program control			
Operation Mode	Button+RFID card (customized)			
Power Supply	3N, AC, 380V, 50HZ			
Parking Mode	Reverse			
Average pick-up time	82 Secs			

* This height is recommended at entry level to avoid injuries to users.
 Note: This system is recommended up to 6 columns - 43 batch sizes

PUZZLE PARKING - SIX LEVEL WITH PIT



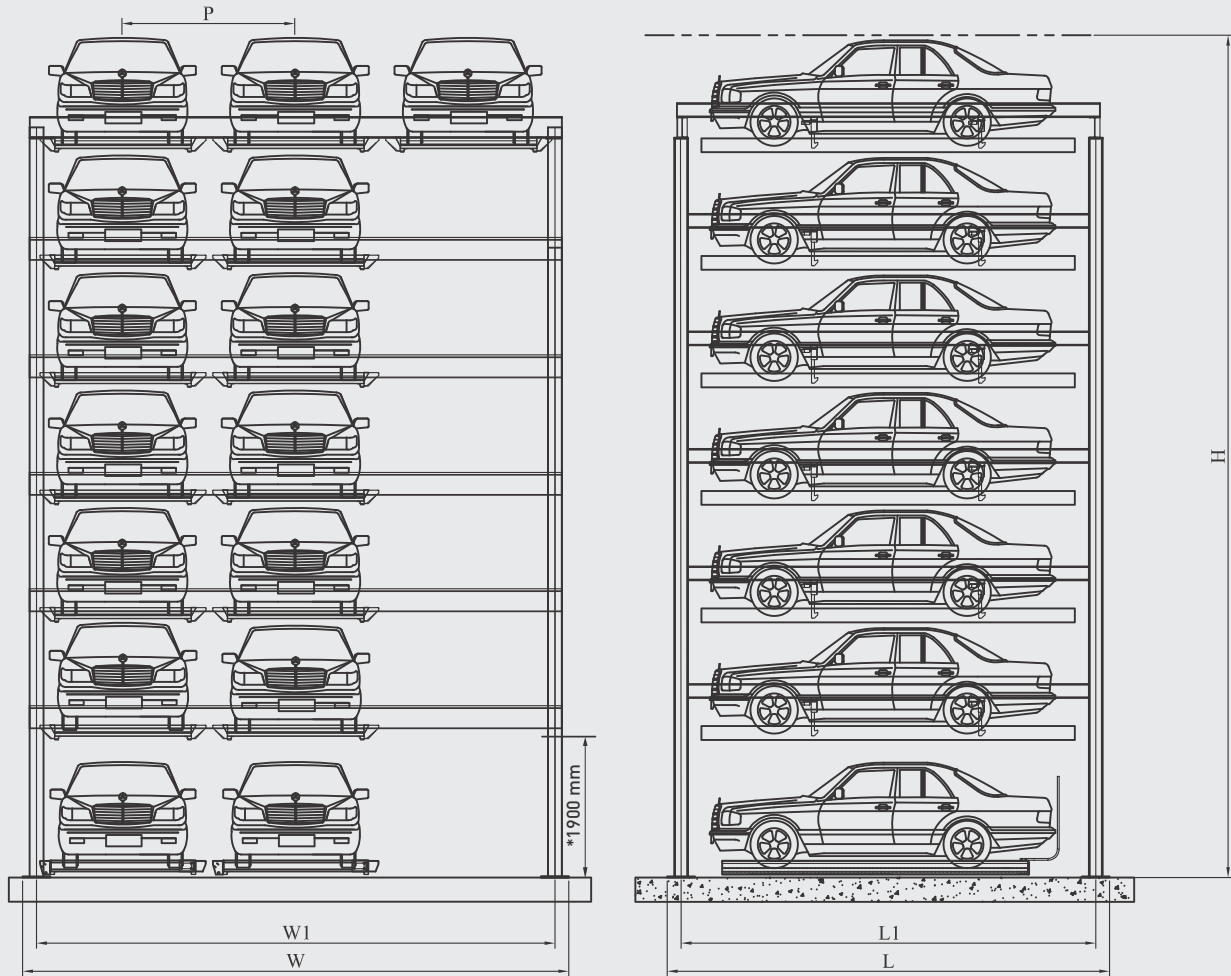
STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2500 mm	2550 mm	2600 mm
Structure Width	W	7500 mm	7650 mm	7800 mm
Pit Width	W1	7800 mm	7950 mm	8100 mm
Out Length of Structure	L1	5700 mm	6000 mm	6300 mm
Structure Length in Pit	L	5500 mm	5800 mm	6100 mm
System Height	H	11700 mm (6200+5500)		
Rated Speed	Lift Speed: 3-5/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2.2 kw		
	Traverse	0.2 kw		
Driving Mode	motor+chain			
Control Mode	PLC program control			
Operation Mode	Button+RFID card (customized)			
Power Supply	3N, AC, 380V, 50HZ			
Parking Mode	Reverse			
Average pick-up time	72 Secs			

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 54 batch sizes

PUZZLE PARKING - SEVEN LEVEL

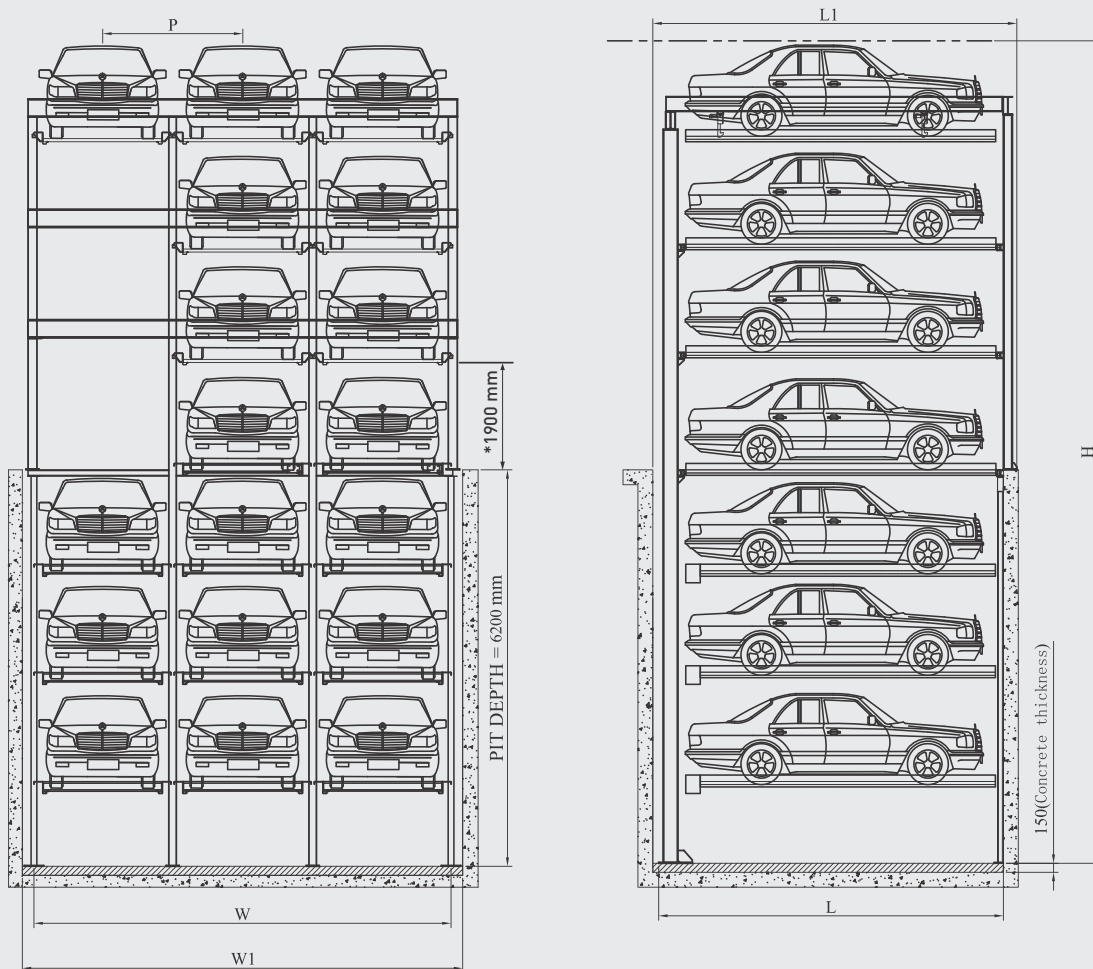


STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2500 mm	2550 mm	2600 mm
Post Center Distance	W1	7500 mm	7650 mm	7800 mm
Out Width	W	7800 mm	7950 mm	8100 mm
Front & Back Post Center Distance	L1	5650 mm	5950 mm	6250 mm
Out Length	L	5950 mm	6250 mm	6550 mm
System Height	H	12100 mm		
Rated Speed	Lift Speed(2-3 lvl): 3-5m/min, 4-7 lvl: 5-8 m/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2-3 lvl - 2.2 kw	4-7 lvl - 3.7 kw	
	Traverse	0.2 kw		
Driving Mode	motor+steel rope			
Control Mode	PLC program control			
Operation Mode	Button+RFID card (customized)			
Power Supply	3N, AC, 380V, 50HZ			
Parking Mode	Reverse			
Average pick-up time	92 Secs			

* This height is recommended at entry level to avoid injuries to users.
 Note: This system is recommended up to 6 columns - 43 batch sizes

PUZZLE PARKING - SEVEN LEVEL WITH PIT



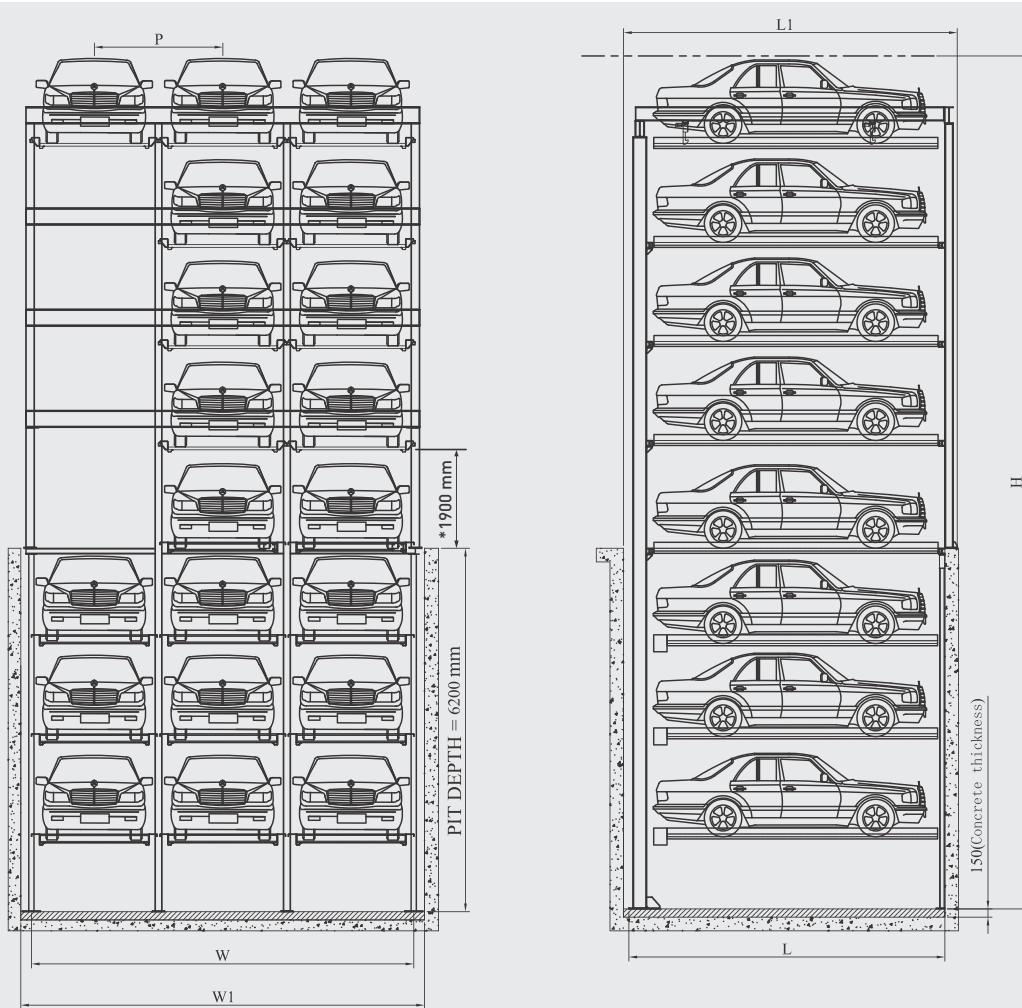
STANDARD DIMENSIONS

Project		Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height		-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight		-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width		P	2500 mm	2550 mm	2600 mm
Structure Width		W	7500 mm	7650 mm	7800 mm
Pit Width		W1	7800 mm	7950 mm	8100 mm
Out Length of Structure		L1	5800 mm	6100 mm	6400 mm
Structure Length in Pit		L	5900 mm	5900 mm	6200 mm
System Height		H	13400 mm (6200+7200)		
Rated Speed		Lift Speed(2-3 lvl): 3-5m/min, 4 lvl: 5-8 m/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2-3 lvl - 2.2 kw		4 lvl - 3.7 kw	
	Traverse	0.2 kw			
Driving Mode		motor+chain			
Control Mode		PLC program control			
Operation Mode		Button+RFID card (customized)			
Power Supply		3N, AC, 380V, 50HZ			
Parking Mode		Reverse			
Average pick-up time		72 Secs			

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 54 batch sizes

PUZZLE PARKING - EIGHT LEVEL WITH PIT

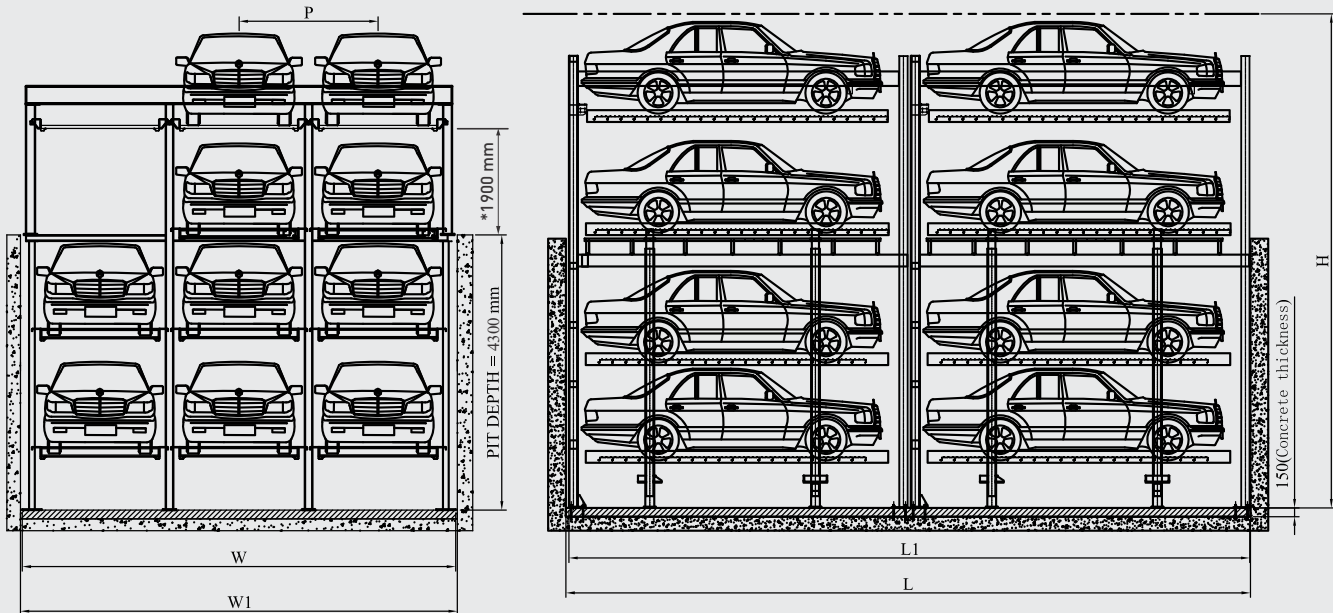


STANDARD DIMENSIONS

Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2500 mm	2550 mm	2600 mm
Structure Width	W	7500 mm	7650 mm	7800 mm
Pit Width	W1	7800 mm	7950 mm	8100 mm
Out Length of Structure	L1	5800 mm	6100 mm	6400 mm
Structure Length in Pit	L	5600 mm	5900 mm	6200 mm
System Height	H	15000 mm (6200+8800)		
Rated Speed	Lift Speed(2-3 lvl): 3-5m/min, 4-5lvl: 5-8 m/min		Traverse Speed: 6-9m/min	
Motor Power	Lift	2-3 lvl - 2.2 kw	4-5 lvl - 3.7 kw	
	Traverse	0.2 kw		
Driving Mode	motor+steel rope			
Control Mode	PLC program control			
Operation Mode	Button+RFID card (customized)			
Power Supply	3N, AC, 380V, 50HZ			
Parking Mode	Reverse			
Average pick-up time	102 Secs			

* This height is recommended at entry level to avoid injuries to users.
 Note: This system is recommended up to 6 columns - 54 batch sizes

PUZZLE PARKING - BACK TO BACK TYPE WITH PIT



STANDARD DIMENSIONS

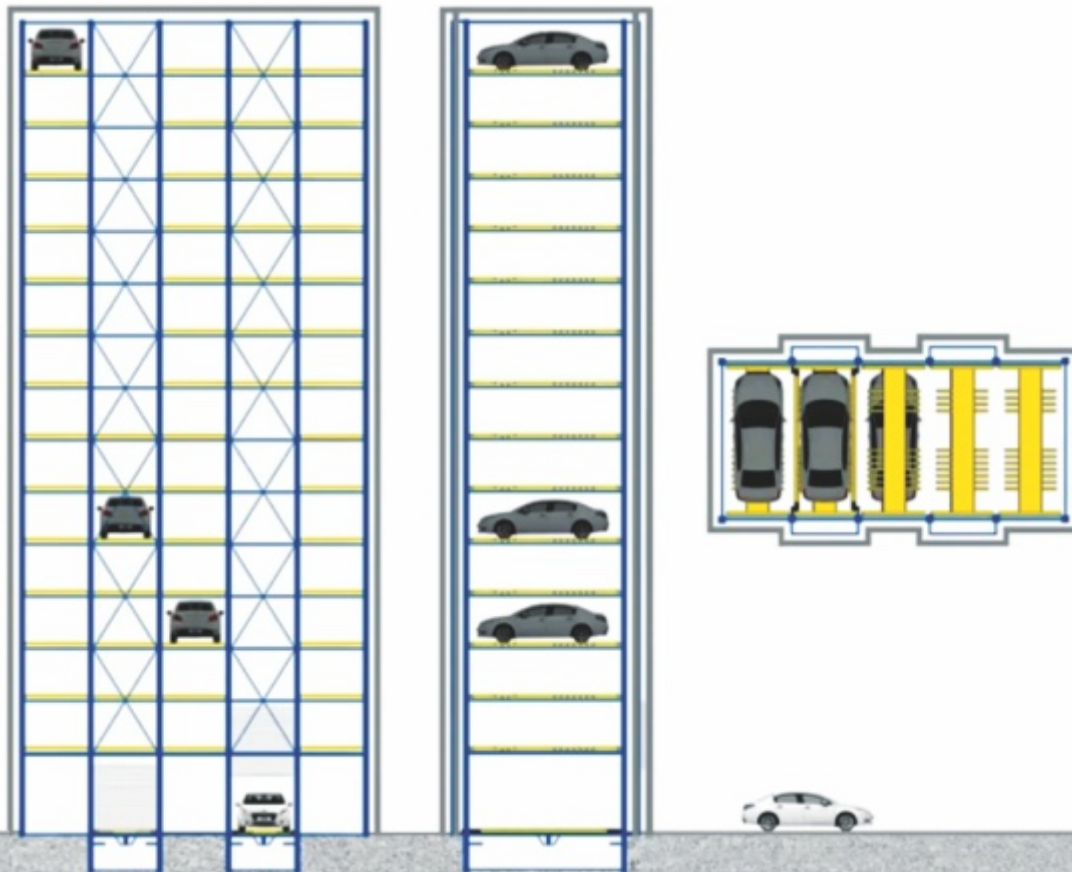
Project	Code Number	Mid Size Car	Large Car	Over Size Car
Length x Width x Height	-	≤ 4700 X 1750 X 1550mm	≤ 5000 X 1850 X 1550mm	≤ 5300 X 1900 X 1550mm
Weight	-	≤ 1800kg	≤ 2000kg	≤ 2300kg
Row Width	P	2450 mm	2500 mm	2550 mm
Post Center Distance	W1	7350 mm	7500 mm	7650 mm
Out Width	W	7650 mm	7800 mm	7950 mm
Front & Back Post Center Distance	L1	11100 mm	11700 mm	12300 mm
Out Length	L	11700 mm	12300 mm	12900 mm
System Height	H	8200 mm (4300+3900)		
Rated Speed		Lift Speed: 3-5m/min		Traverse Speed: 6-9m/min
Motor Power	Lift	2.2 kw		
	Traverse	0.2 kw		
Driving Mode		motor+steel rope		
Control Mode		PLC program control		
Operation Mode		Button+RFID card (customized)		
Power Supply		3N, AC, 380V, 50HZ		
Parking Mode		Reverse		
Average pick-up time		120 Secs		

* This height is recommended at entry level to avoid injuries to users.

Note: This system is recommended up to 6 columns - 88 batch sizes

ELE PUZZLE PARKING

This system is a combination of elevator & puzzle operations. This system is ideal for heights between 8 levels to 18 levels. Complete safety device and simple operation.



SPECIAL FEATURES

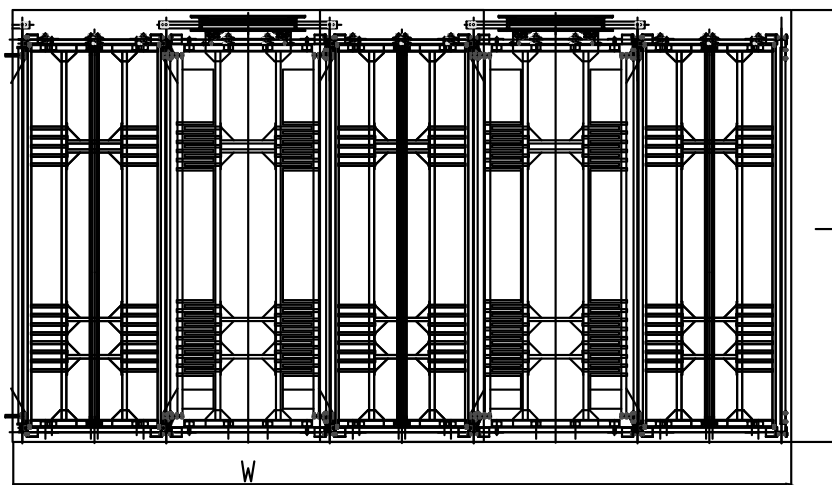
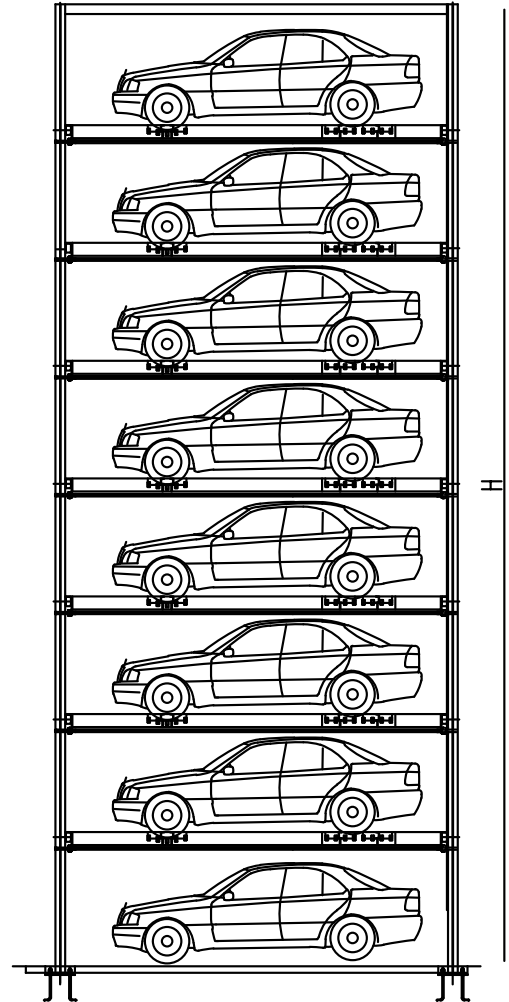
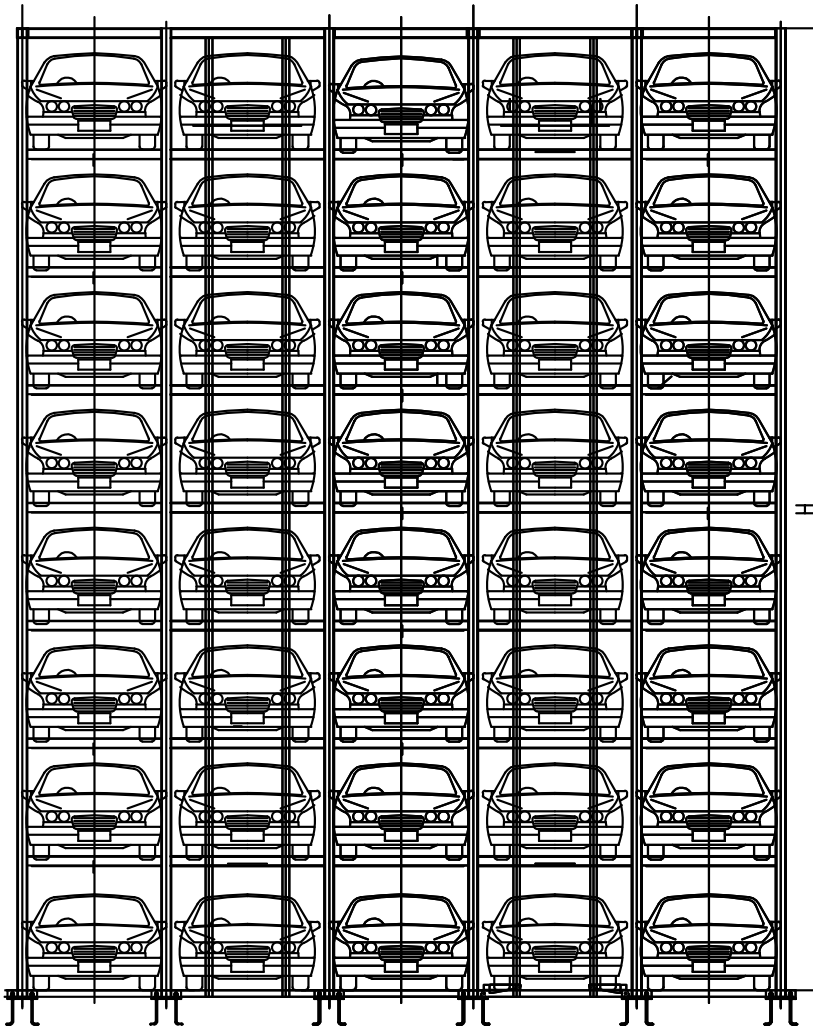
- ▶ Vehicle are park in parking levels with the aid of adjustable sliding carrier units. In every second grid, transport lifts ensure the lifting and lowering of vehicles. These grids also serve as the entrances and exits.
- ▶ It offers quick vehicle in and out time.

SPECIFICATION

Car Size	5000 (W) X 1850 (D) X 2000 (H)
Car Weight	2500KG
Max Retrieve Time	30S
Lift Speed, Power	80M/MIN, 22KW
Slide Speed, Power	13M/MIN, 0.4KW
Control	PLC
Operate	BUTTON MODE WITH CARD READER
Power	3PH 380V/50HZ

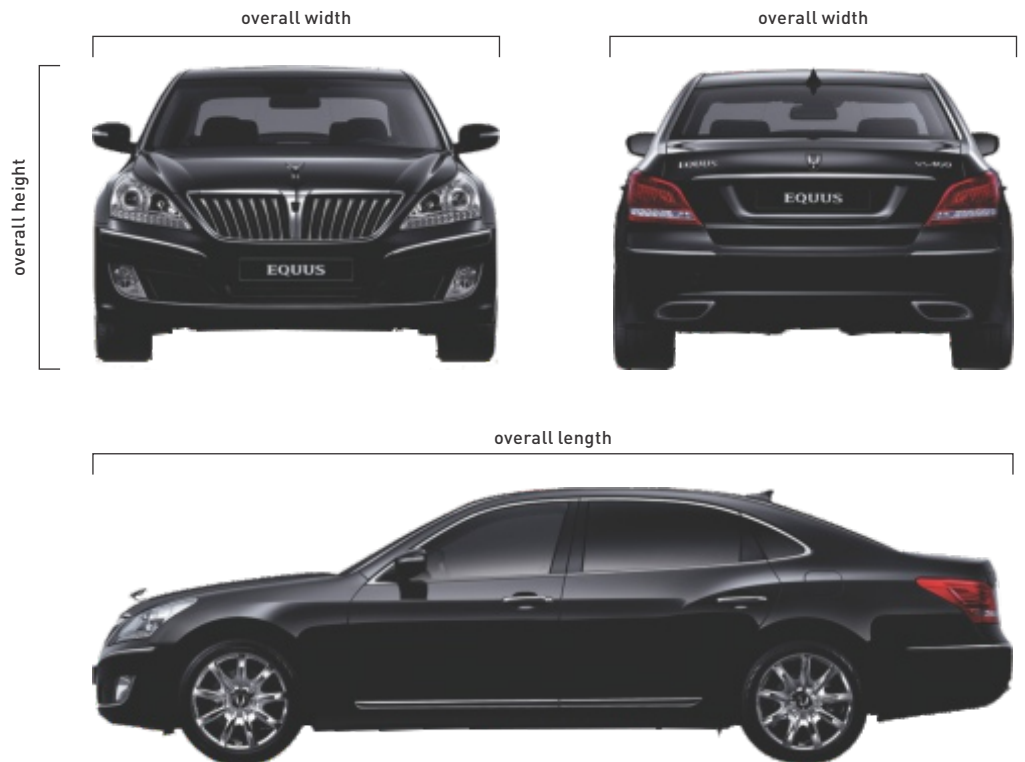
STANDARD DIMENSIONS

CAPACITY (Vehicles)	W (mm)	L (mm)	H (mm)
8	14750	6500	19,500
9			21,800
10			24,000
11			26,400
12			28,700
13			31,000
14			33,300
15			35,600
16			37,900
17			40,200
18			42,500



TOWER PARKING

Tower parking systems are well suited where low footprint with high rise space is available. Tower parking is a lift based system which has many configurations such as 2 columns, 3 columns & 4 columns parking with low & mid entry type. These systems are suitable for batch sizes of 50 to 100 cars in a single system. This system can be stand-alone (Independent type) or can be inside a building (Built-in Type). Both transverse & longitudinal versions are available.



SPECIAL FEATURES

- ▶ Silent operation.
- ▶ Fast entry/exit time.
- ▶ Adoption of turntable mounted on the lift to offer easier and more comfortable parking and retrieval for all users. The location of entrance can be appropriately decided as per site needs.
- ▶ Various safety devices and sensors to detect vehicle like door opening sensor or pallet derailing sensor.
- ▶ Excellent flexibility in design change for higher, bigger and heavier vehicles.
- ▶ Type of system can be optionally chosen as per site requirements.

STANDARD DIMENSIONS

Type	ML	ME
Overall Width (mm)	2000	2150
Overall Height (mm)	1550	1550
Overall Length (mm)	5000	5150
Weight (kg)	1850	2200

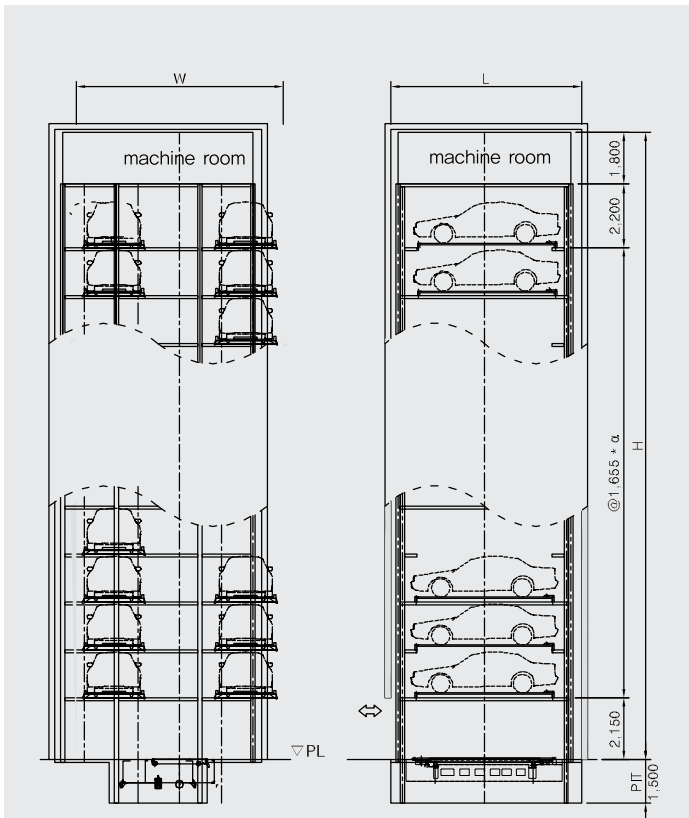
STANDARD SPECIFICATIONS

Elevation	Motor	Max. 30kW
	Speed	Max. 120m/min
Horizontal	Motor	Max. 1.5kW
	Speed	Max. 40m/min
Turn Table	Motor	Max. 0.75kW
	Speed	Max. 3.24RPM
Power Supply		Max. 50KVA

TOWER PARKING

(2 Car Columns - Independent Type)

LOW ENTRY TYPE

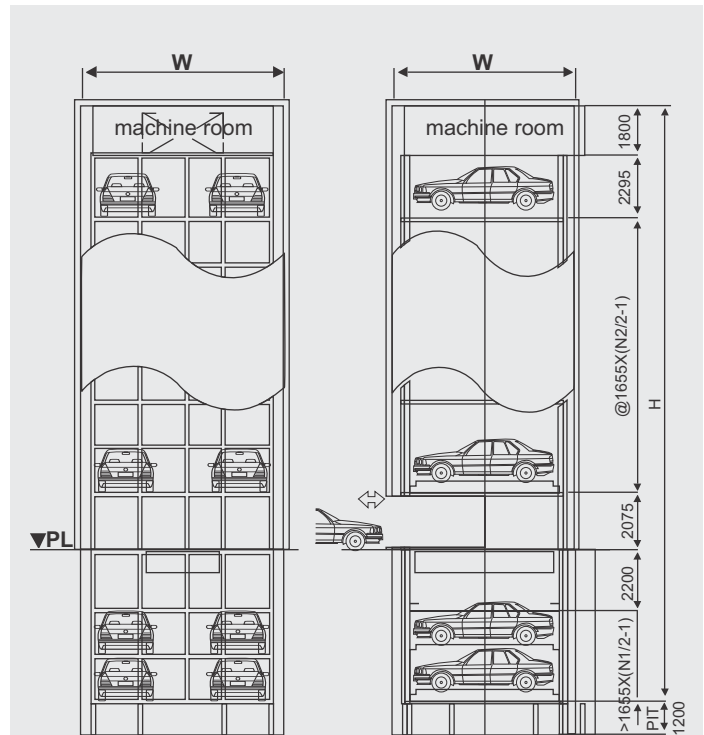


STANDARD DIMENSIONS

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	7350	6600	21,995	7550	6800	21,995
24			25,305			25,305
28			28,615			28,615
32			31,925			31,925
36			35,235			35,235
40			38,545			38,545
44			41,855			41,855
48			45,165			45,165
52			48,475			48,475
56			51,785			51,785
60			55,095			55,095
64			58,405			58,405
68			61,715			61,715
72			65,025			65,025

Note: Fork Type Tower Parking System also available.

MID ENTRY TYPE



STANDARD DIMENSIONS

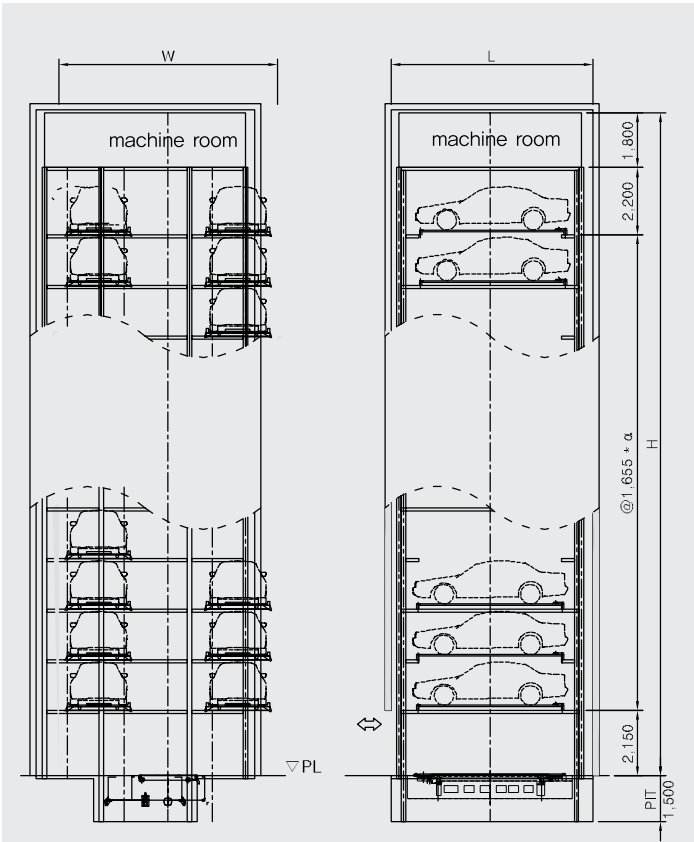
CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	7350	6600	22,540	7550	6800	22,540
24			25,850			25,850
28			29,160			29,160
32			32,470			32,470
36			35,780			35,780
40			39,090			39,090
44			42,400			42,400
48			45,710			45,710
52			49,020			49,020
56			52,330			52,330
60			55,640			55,640
64			58,950			58,950
68			62,260			62,260
72			65,570			65,570

Note: Fork Type Tower Parking System also available.

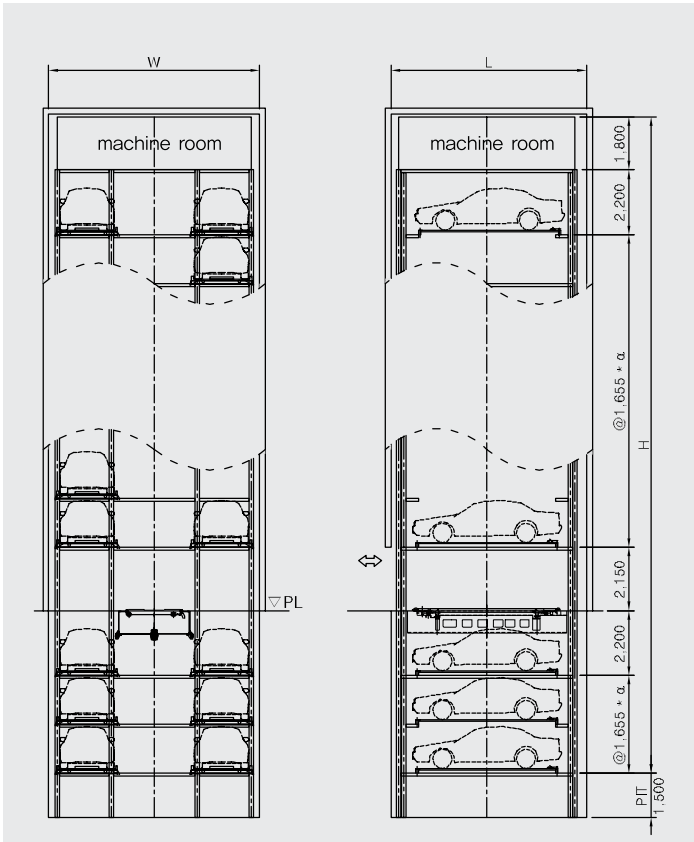
TOWER PARKING

(2 Car Columns - Built-in Type)

LOW ENTRY TYPE



MID ENTRY TYPE



STANDARD DIMENSIONS

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	6900	6500	21,995	7200	6600	21,995
24			25,305			25,305
28			28,615			28,615
32			31,925			31,925
36			35,235			35,235
40			38,545			38,545
44			41,855			41,855
48			45,165			45,165
52			48,475			48,475
56			51,785			51,785
60			55,095			55,095
64			58,405			58,405
68			61,715			61,715
72			65,025			65,025

Note: Fork Type Tower Parking System also available.

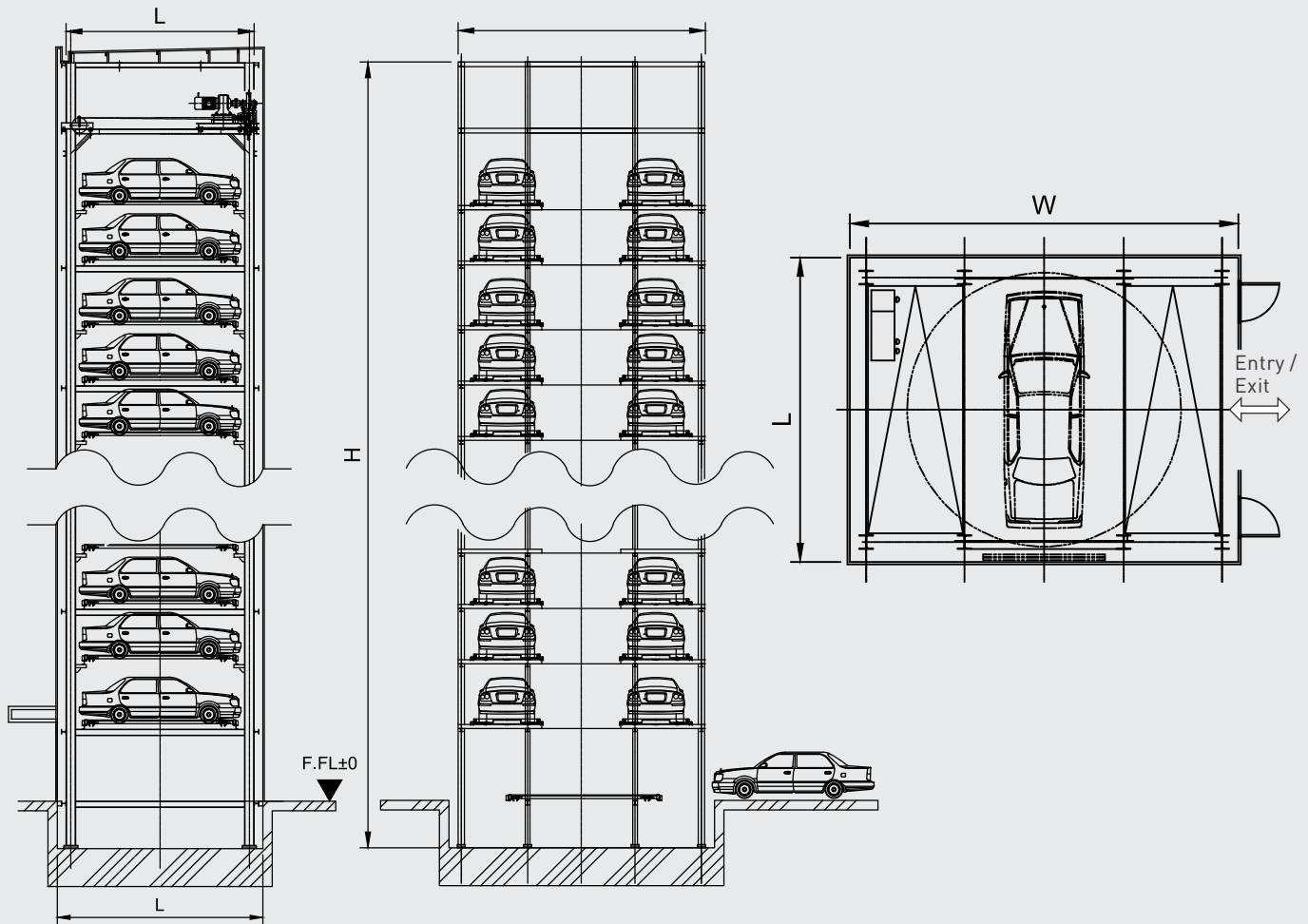
STANDARD DIMENSIONS

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	6900	6500	22,540	7200	6600	22,540
24			25,850			25,850
28			29,160			29,160
32			32,470			32,470
36			35,780			35,780
40			39,090			39,090
44			42,400			42,400
48			45,710			45,710
52			49,020			49,020
56			52,330			52,330
60			55,640			55,640
64			58,950			58,950
68			62,260			62,260
72			65,570			65,570

Note: Fork Type Tower Parking System also available.

TOWER PARKING

(Side Entry Type - Independent / Built-in type)



STANDARD DIMENSIONS (Independent)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	7400	6500	21,995	7600	6750	21,995
24			25,305			25,305
28			28,615			28,615
32			31,925			31,925
36			35,235			35,235
40			38,545			38,545
44			41,855			41,855
48			45,165			45,165
52			48,475			48,475
56			51,785			51,785
60			55,095			55,095
64			58,405			58,405
68			61,715			61,715
72			65,025			65,025

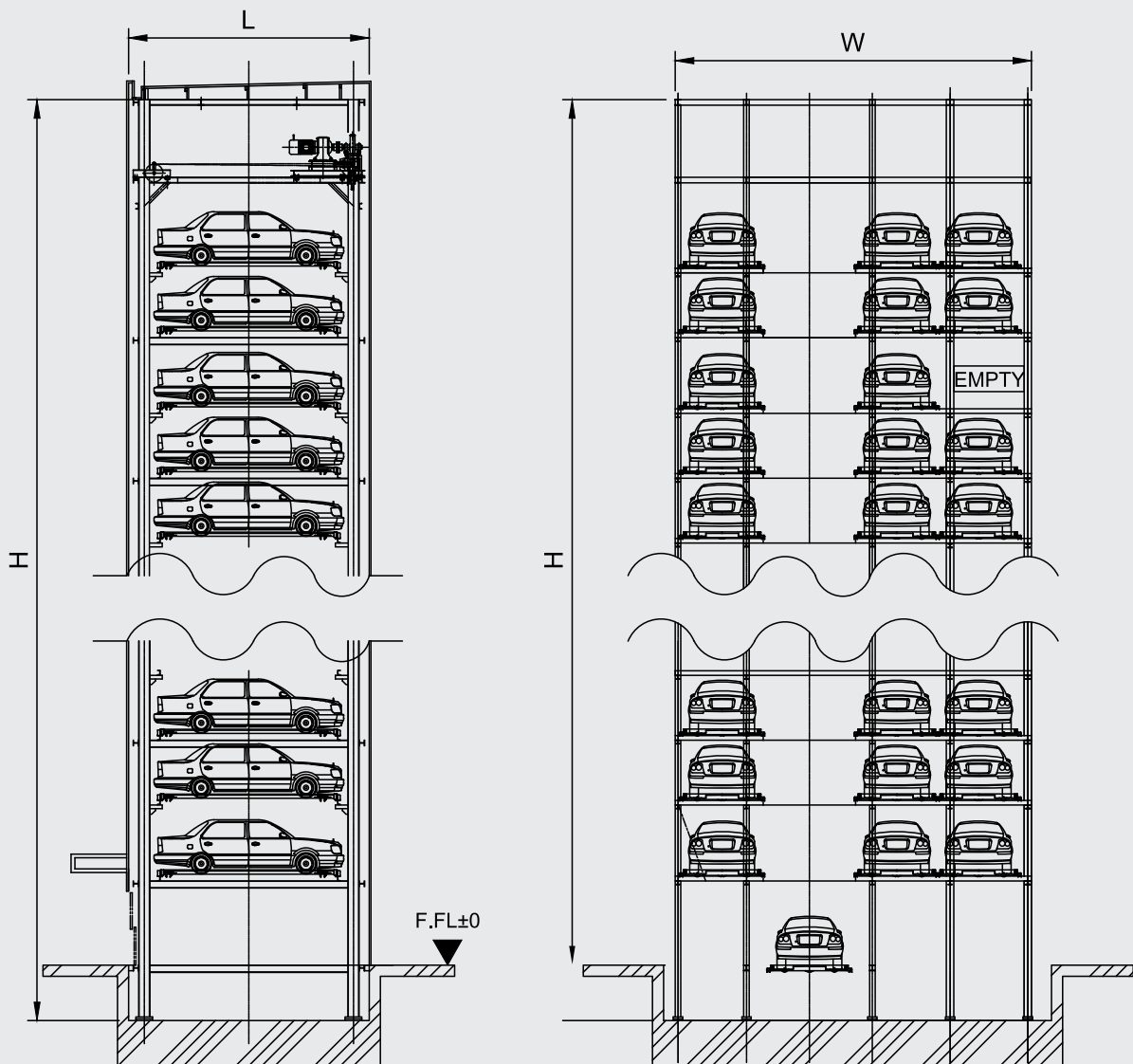
STANDARD DIMENSIONS (Built-in Type)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	7000	6300	21,995	7300	6500	21,995
24			25,305			25,305
28			28,615			28,615
32			31,925			31,925
36			35,235			35,235
40			38,545			38,545
44			41,855			41,855
48			45,165			45,165
52			48,475			48,475
56			51,785			51,785
60			55,095			55,095
64			58,405			58,405
68			61,715			61,715
72			65,025			65,025

* Due to ongoing innovations and developments sizes may vary

TOWER PARKING

(Three Car Columns - Independent / Built-in type)



STANDARD DIMENSIONS (Independent)

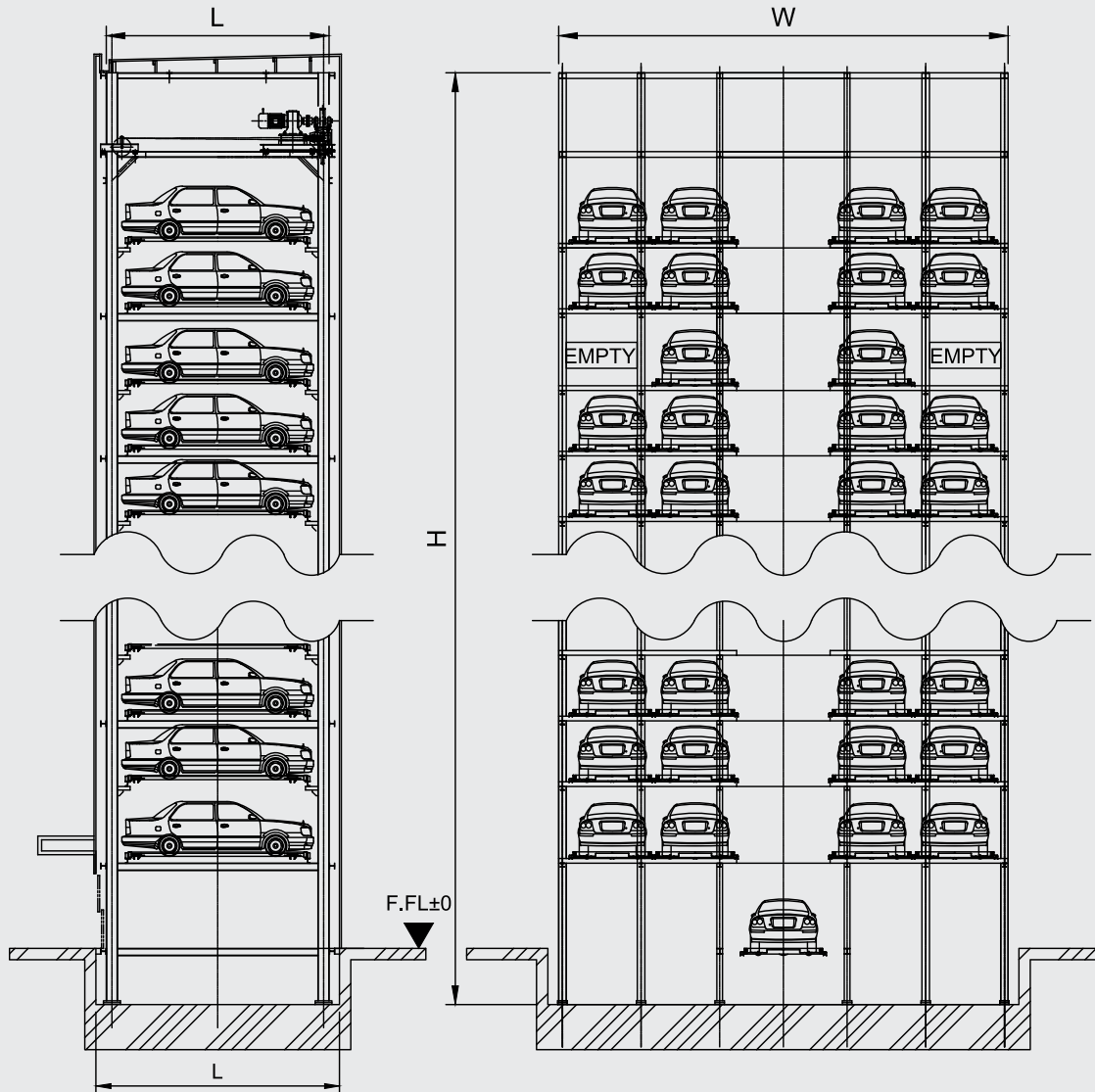
CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
30	11000	6800	22,700	13000	7000	22,700
36			26,300			26,300
42			29,900			29,900
48			33,200			33,200
54			36,800			36,800
60			40,400			40,400
66			43,700			43,700
72			47,300			47,300
78			50,900			50,900
84			54,200			54,200
90			57,800			57,800
96			61,400			61,400
102	64,700	64,700				
108	68,300	68,300				

STANDARD DIMENSIONS (Built-in Type)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
30	10500	6600	22,700	12000	6800	22,700
36			26,300			26,300
42			29,900			29,900
48			33,200			33,200
54			36,800			36,800
60			40,400			40,400
66			43,700			43,700
72			47,300			47,300
78			50,900			50,900
84			54,200			54,200
90			57,800			57,800
96			61,400			61,400
102	64,700	64,700				
108	68,300	68,300				

TOWER PARKING

(Four Car Columns - Independent / Built-in type)



STANDARD DIMENSIONS (Independent)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
30	12500	6800	22,700	13000	7000	22,700
36			26,300			26,300
42			29,900			29,900
48			33,200			33,200
54			36,800			36,800
60			40,400			40,400
66			43,700			43,700
72			47,300			47,300
78			50,900			50,900
84			54,200			54,200
90			57,800			57,800
96			61,400			61,400
102			64,700			64,700
108			68,300			68,300

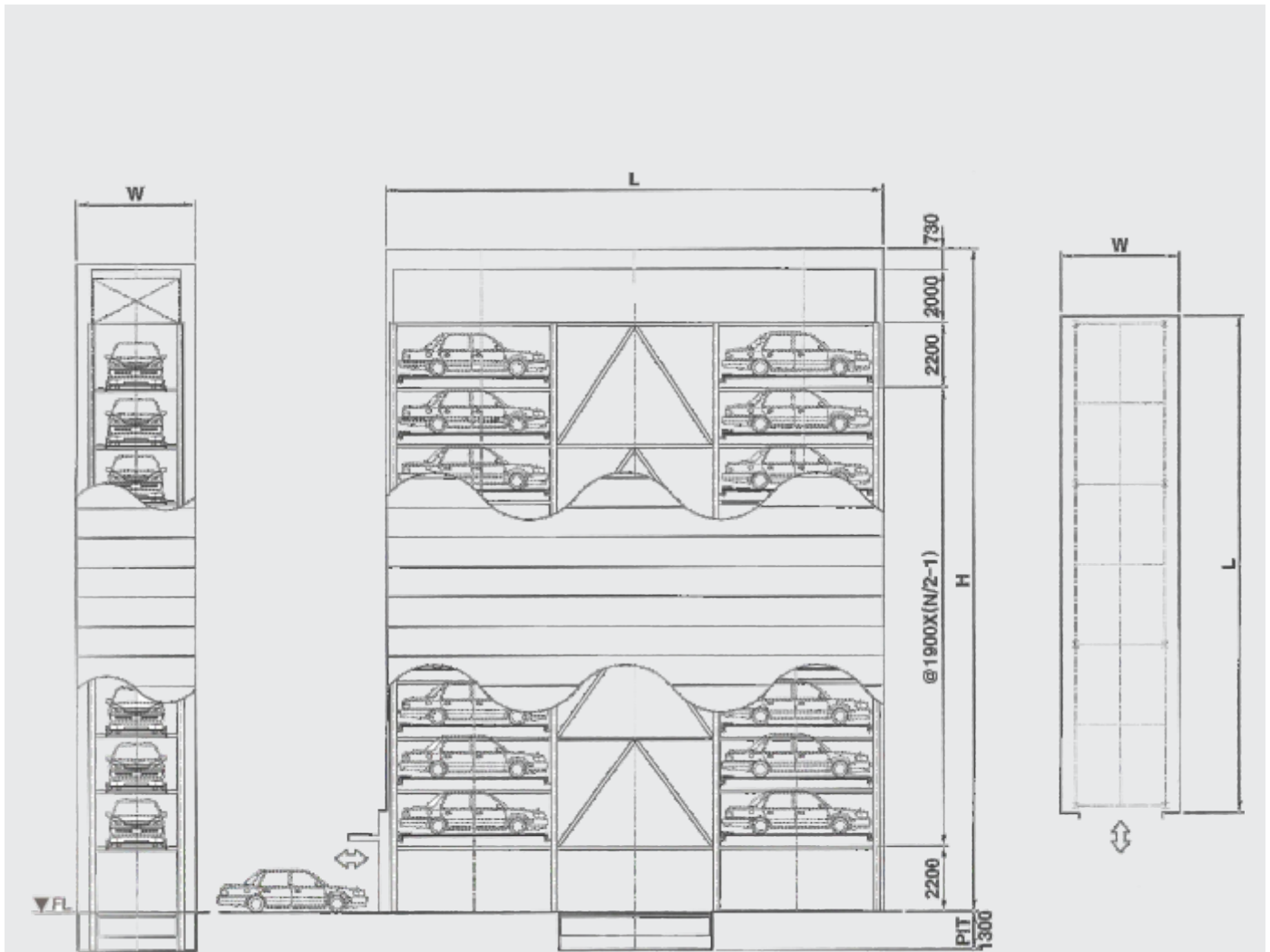
STANDARD DIMENSIONS (Built-in Type)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
30	12500	6600	22,700	13000	6800	22,700
36			26,300			26,300
42			29,900			29,900
48			33,200			33,200
54			36,800			36,800
60			40,400			40,400
66			43,700			43,700
72			47,300			47,300
78			50,900			50,900
84			54,200			54,200
90			57,800			57,800
96			61,400			61,400
102			64,700			64,700
108			68,300			68,300

* Due to ongoing innovations and developments sizes may vary

TOWER PARKING

(Longitudinal Type - Independent / Built-in type)



STANDARD DIMENSIONS (Independent)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	4000	18600	24,230	4000	20000	24,230
24			28,030			28,030
28			31,830			31,830
32			35,630			35,630
36			39,430			39,430
40			43,230			43,230
44			47,030			47,030
48			50,830			50,830
52			54,630			54,630
56			58,430			58,430
60			62,230			62,230

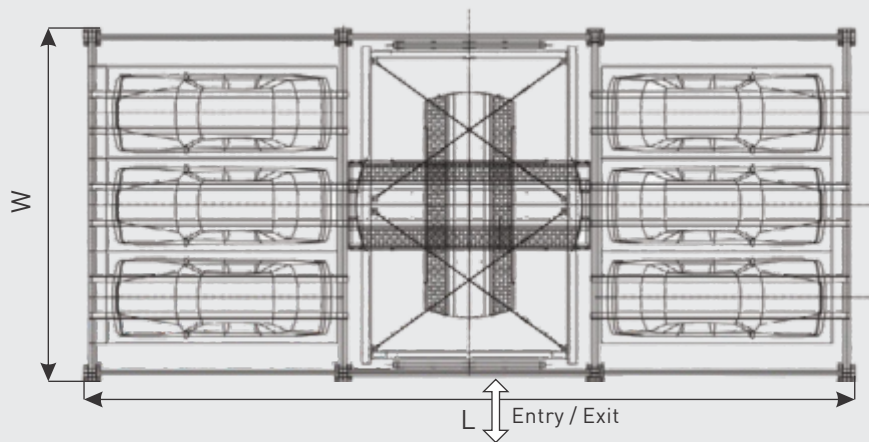
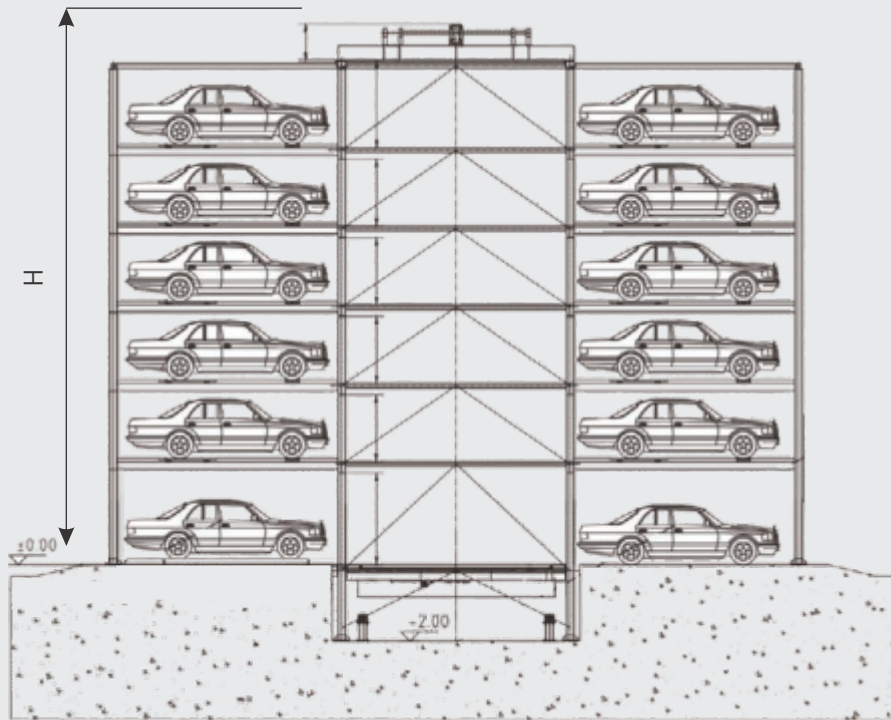
STANDARD DIMENSIONS (Built-in Type)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
20	4000	17600	24,230	4000	18000	24,230
24			28,030			28,030
28			31,830			31,830
32			35,630			35,630
36			39,430			39,430
40			43,230			43,230
44			47,030			47,030
48			50,830			50,830
52			54,630			54,630
56			58,430			58,430
60			62,230			62,230

Note: Contact for compact design.

TOWER PARKING

(Hexa Tower - Independent / Built-in type)



STANDARD DIMENSIONS (Independent)

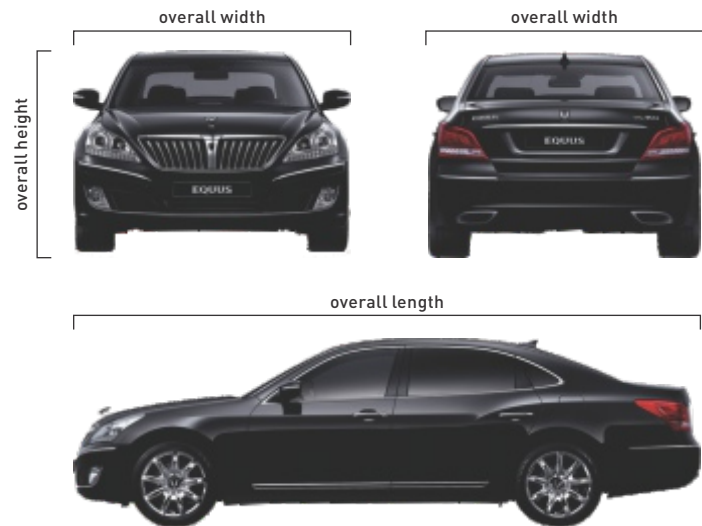
CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
5	8000	18500	13,750	8000	19500	13,750
6			15,800			15,800
7			17,850			17,850
8			19,900			19,900
9			21,950			21,950
10			24,000			24,000
11			26,050			26,050
12			28,100			28,100
13			30,150			30,150
14			32,200			32,200
15			34,250			34,250

STANDARD DIMENSIONS (Built-in Type)

CAPACITY (Vehicles)	ML			ME		
	w (mm)	L (mm)	H (mm)	w (mm)	L (mm)	H (mm)
5	8000	17500	13,750	8000	18500	13,750
6			15,800			15,800
7			17,850			17,850
8			19,900			19,900
9			21,950			21,950
10			24,000			24,000
11			26,050			26,050
12			28,100			28,100
13			30,150			30,150
14			32,200			32,200
15			34,250			34,250

CART PARKING

This system is ideally suited for large footprint & low height. This system has both pallet & pallet-less versions with quick operations time suitable for 200 or more parking slots. Both transverse & longitudinal versions are available.



STANDARD DIMENSIONS

Type	ML	ME
Overall Width (mm)	2000	2150
Overall Height (mm)	1550	1550
Overall Length (mm)	5000	5150
Weight (kg)	1850	2200

SPECIAL FEATURES

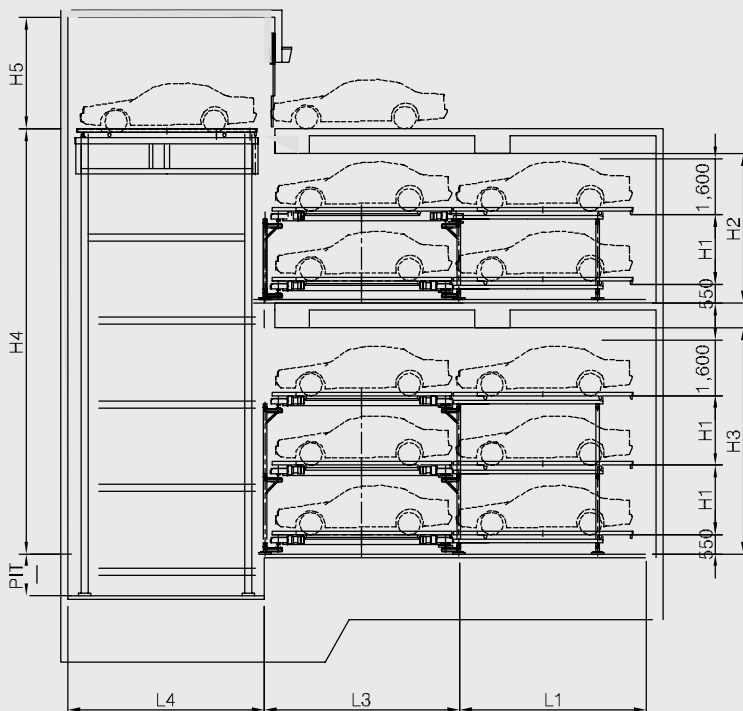
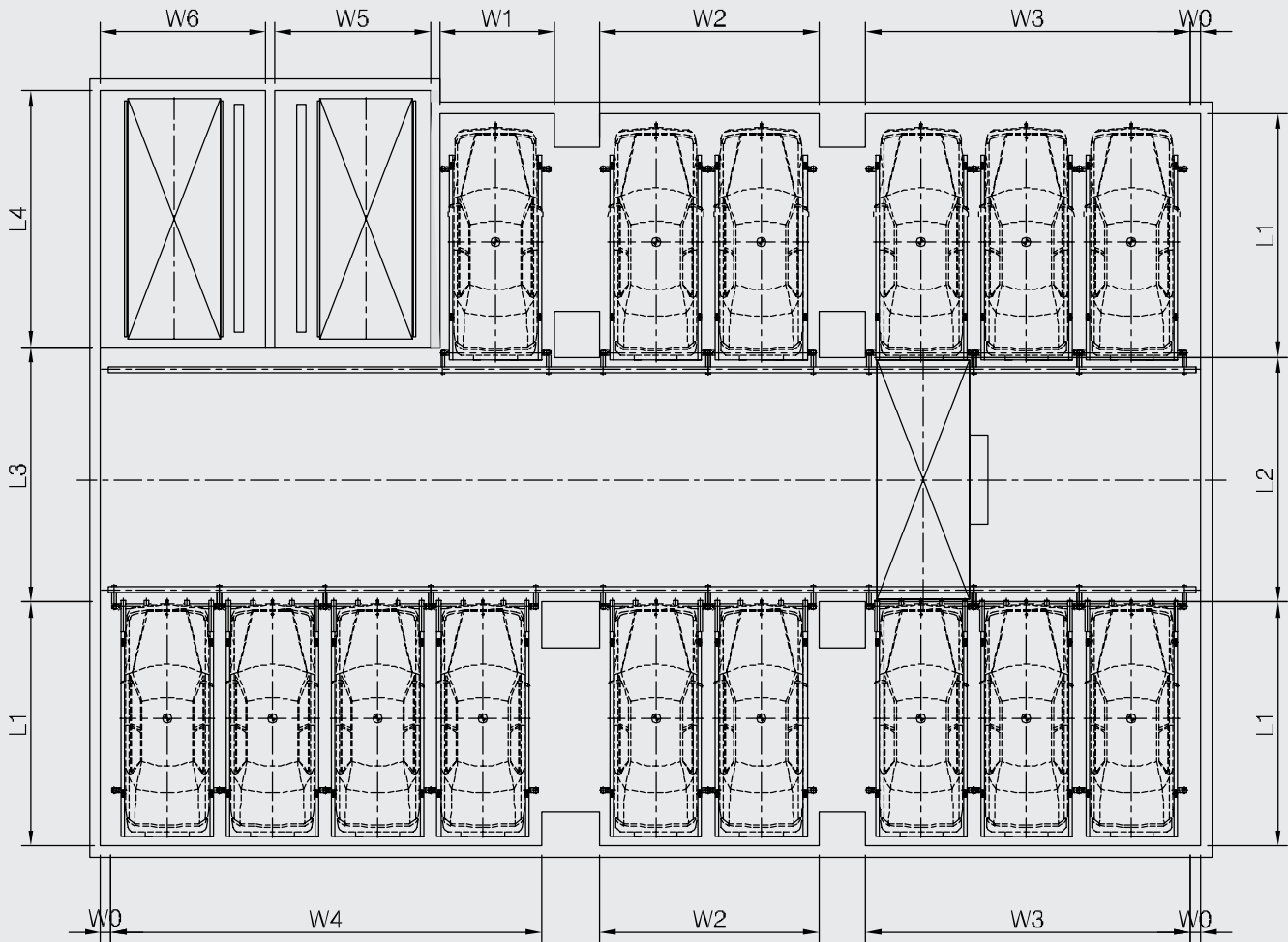
- ▶ Vehicle in and out time has been reduced sharply by simultaneous operation at multi parking levels.
- ▶ It also offers easy installation of entrance and exit by adding a lift.

STANDARD DIMENSIONS

Elevation	Motor	Max. 30kw	
	Speed	Max.60m/min	
Trolley	Direction	Driving	Horizontal
	Driving Power	Friction	Friction
	Speed	Max. 150m/min	Max. 46m/min
	Motor	Max. 2.2kW	Max. 2.2kW
Power Supply	1 LIFT	Max.65KVA	
	2 LIFT	Max.110KVA	

CART PARKING

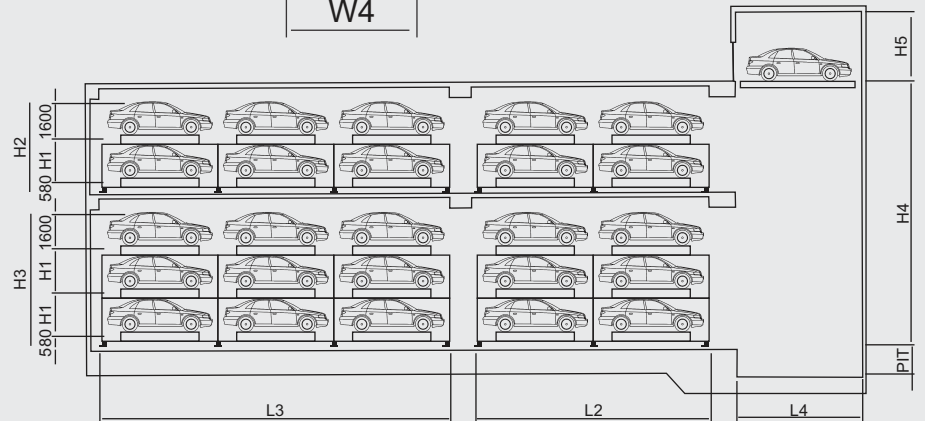
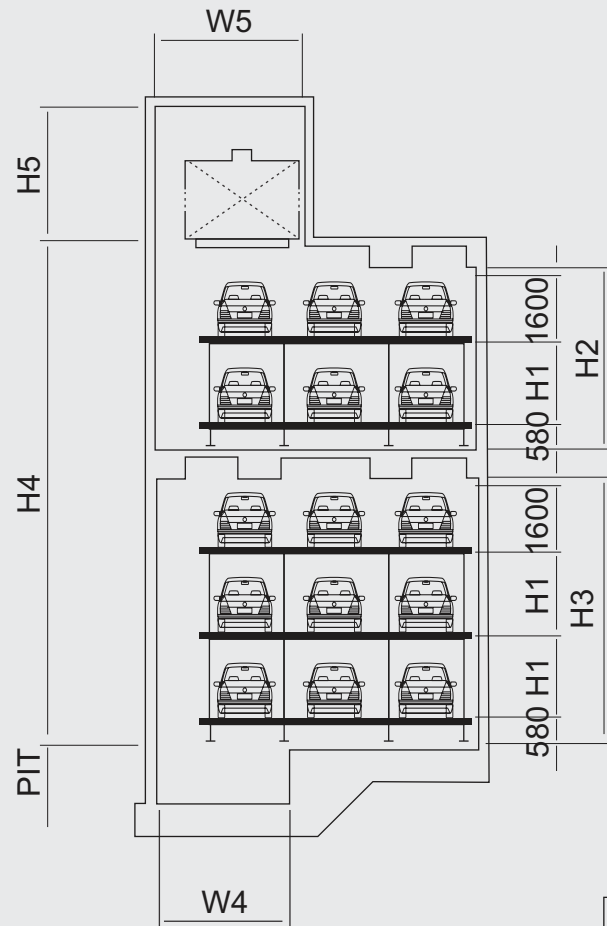
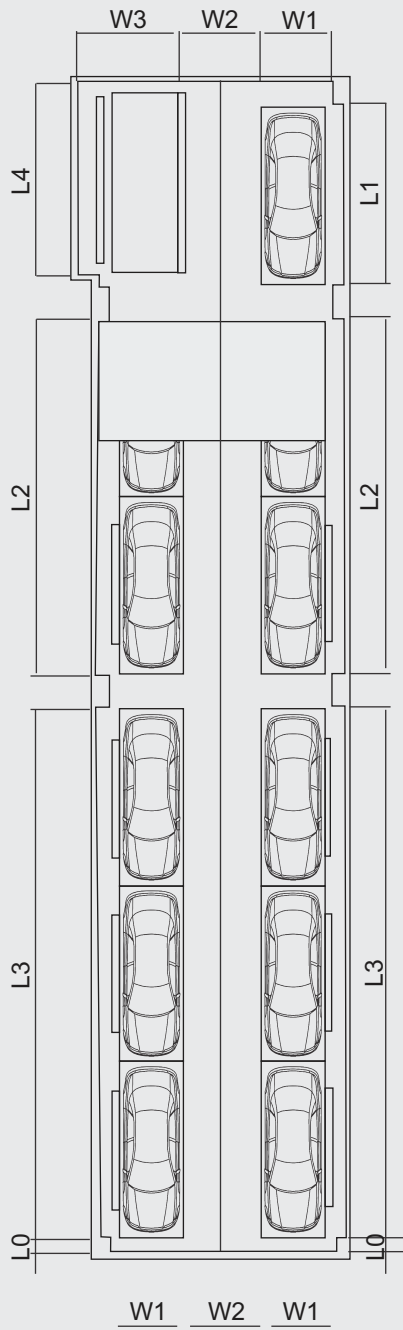
(Pallet Type)



STANDARD DIMENSIONS

		ML	ME
W(mm)	W0	300	300
	W1	2,500	2,600
	W2	4,800	5,000
	W3	7,100	7,400
	W4	9,400	9,800
	W5	3,400	3,500
L(mm)	L1	5,350	5,450
	L2	5,350	5,450
	L3	L2+200	L2+200
	L4	5,600	5,700
H(mm)	H1	2,000	2,000
	H2	4,350	4,350
	H3	6,500	6,500
	H4	VAR	VAR
	H5	3,200	3,200
PIT(mm)		1,500	1,500

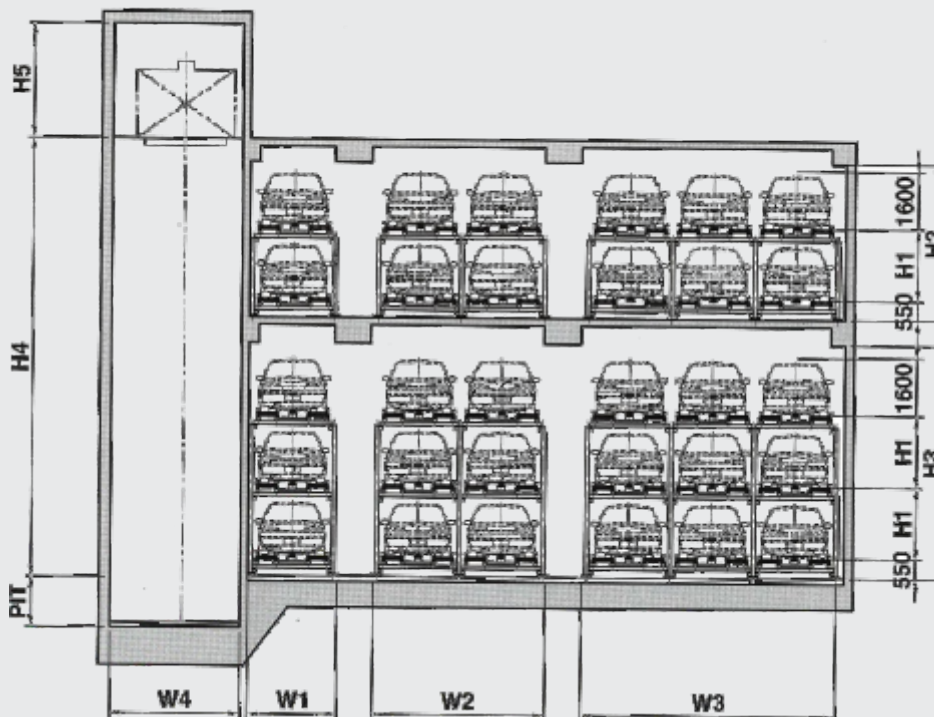
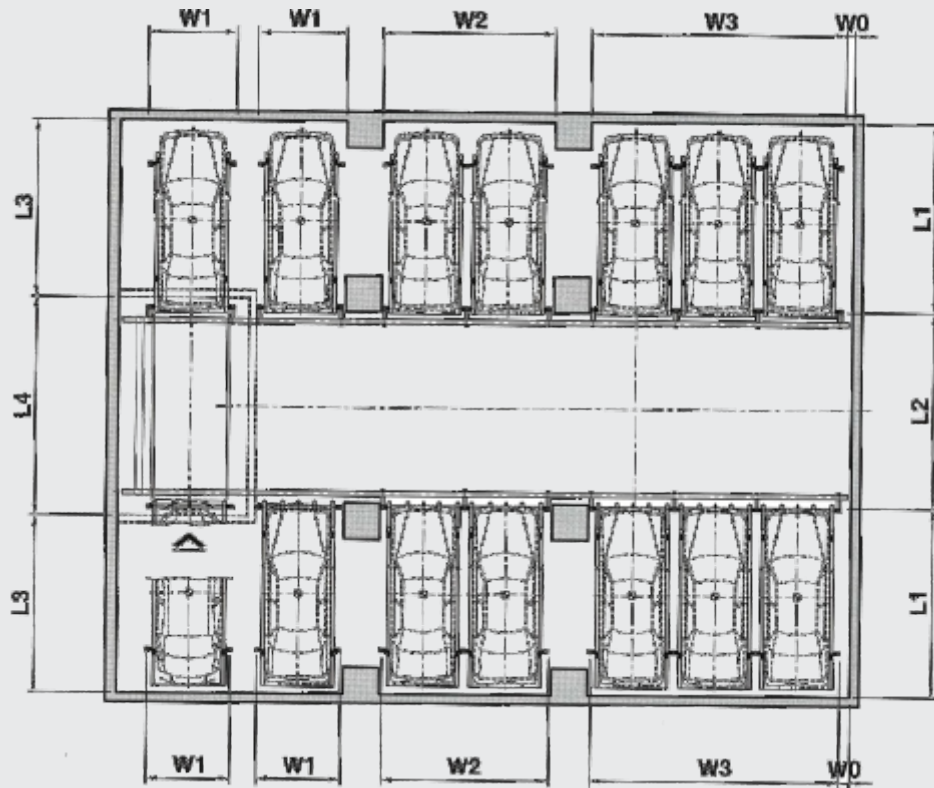
CART PARKING (Longitudinal Type)



	L0	L1	L2	L3	L4	W1	W2	W3	W4	W5	H1	H2	H3	H4	H5	PIT
ML	300	5,500	10,800	16,100	5,800	2,200	2,500	3,200	3,300	3,600	2,000	4,380	6,380	VAR	3,200	1,500
ME	300	5,700	11000	16,700	6,000	2,300	2,500	3,300	3,400	3,600	2,000	4,380	6,380	VAR	3,200	1,500

CART PARKING

(Cart in Lift Type)

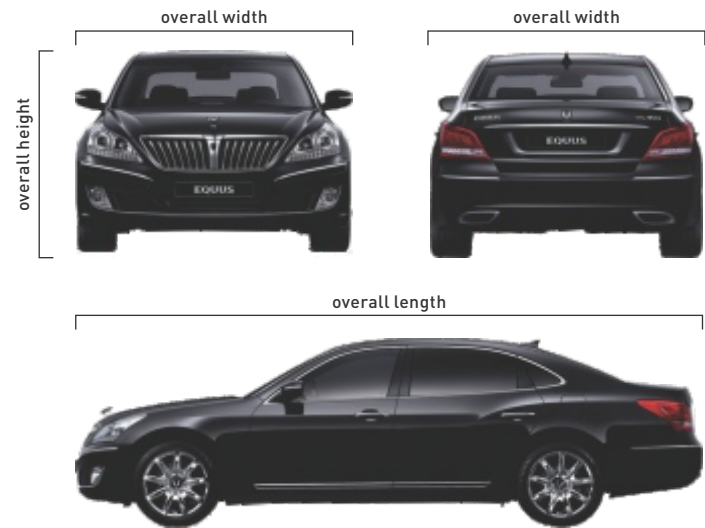


	W0	W1	W2	W3	W4	L1	L2	L3	L4	H1	H2	H3	H4	H5	PIT
ML	300	2500	4800	7100	3600	5350	5350	4950	6100	2270	4620	6890	VAR	3200	1500
ME	300	2600	5000	7400	3700	5450	5450	5050	6200	2270	4630	6690	VAR	3200	1500

* Due to ongoing innovations and developments sizes may vary

CAR BOT PARKING

Quick operation time of pallet less system and a few advantages of pallet system. The robot lifts and shifts the car for parking.



STANDARD DIMENSIONS

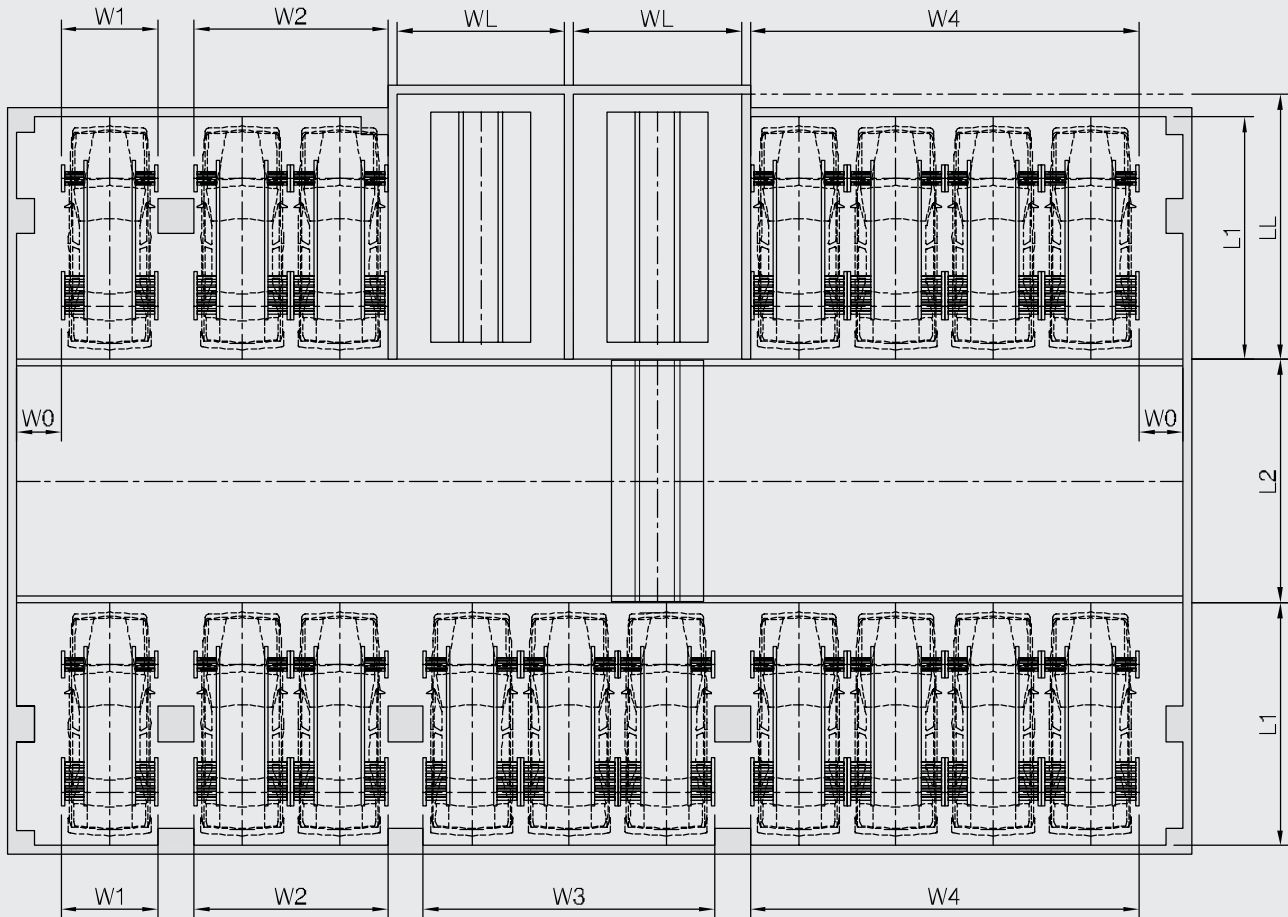
Type	ML	ME
Overall Width (mm)	2000	2150
Overall Height (mm)	1550	1550
Overall Length (mm)	5000	5150
Weight (kg)	1850	2200

STANDARD SPECIFICATIONS

Elevation	Driving Power	Rope
	Motor	22kW
	Speed	60m/min
Translator	Driving	1.5kW(2 Sets), 60m/min
	Vertical	4kW(Servo, 1.5kW(2 Sets), 0.4kW, 50m/min
Power Supply		50KVA

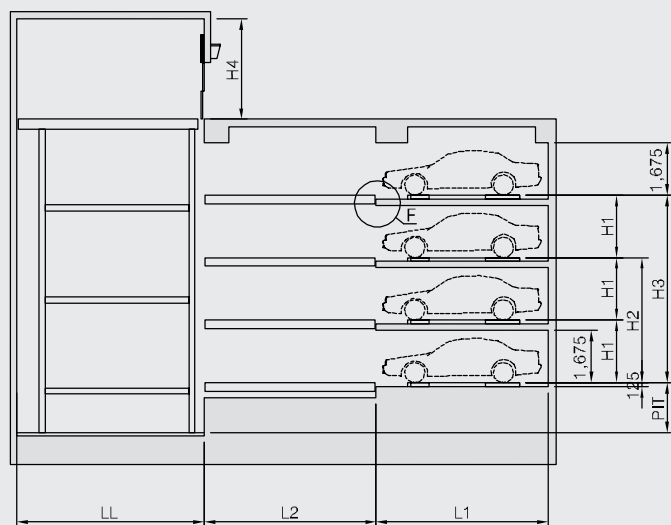
SPECIAL FEATURES

- ▶ Car wheel lifting up system
- ▶ Highly efficient as several ayers covered by one carbot
- ▶ simple construction of parking slots
- ▶ steel structure is available as parking slot (Short construction period, high wuality of performance)



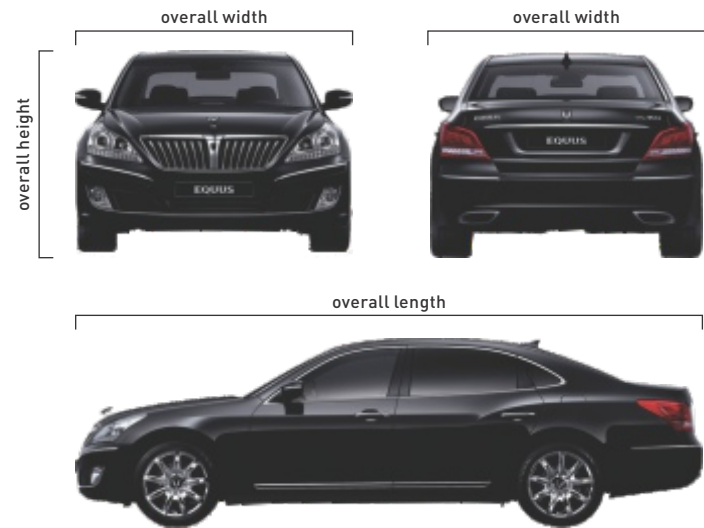
STANDARD DIMENSIONS

		ML	ME
W(mm)	W0	Over 1,000	Over 1,000
	W1	2,200	2,300
	W2	4,400	4,600
	W3	6,600	6,900
	W4	8,800	9,000
L(mm)	WL	3,800	4,000
	L1	5,500	5,600
	L2	5,500	5,600
H(mm)	LL	6,000	6,200
	H1	2,000	2,000
	H2	4,000	4,000
	H3	6,000	6,000
	PIT(mm)	1,600	1,600



TRANSLATOR PARKING

For parking/retrieval, translator runs along the horizontal way and at the same time, trolley mounted on translator starts to operate vertically. Average time of parking/retrieval is less than a minute. Adding number of entrance and exit or arranging their locations in flexible ways, either will lead to increase of car park number and easier management of traffic flow.



STANDARD DIMENSIONS

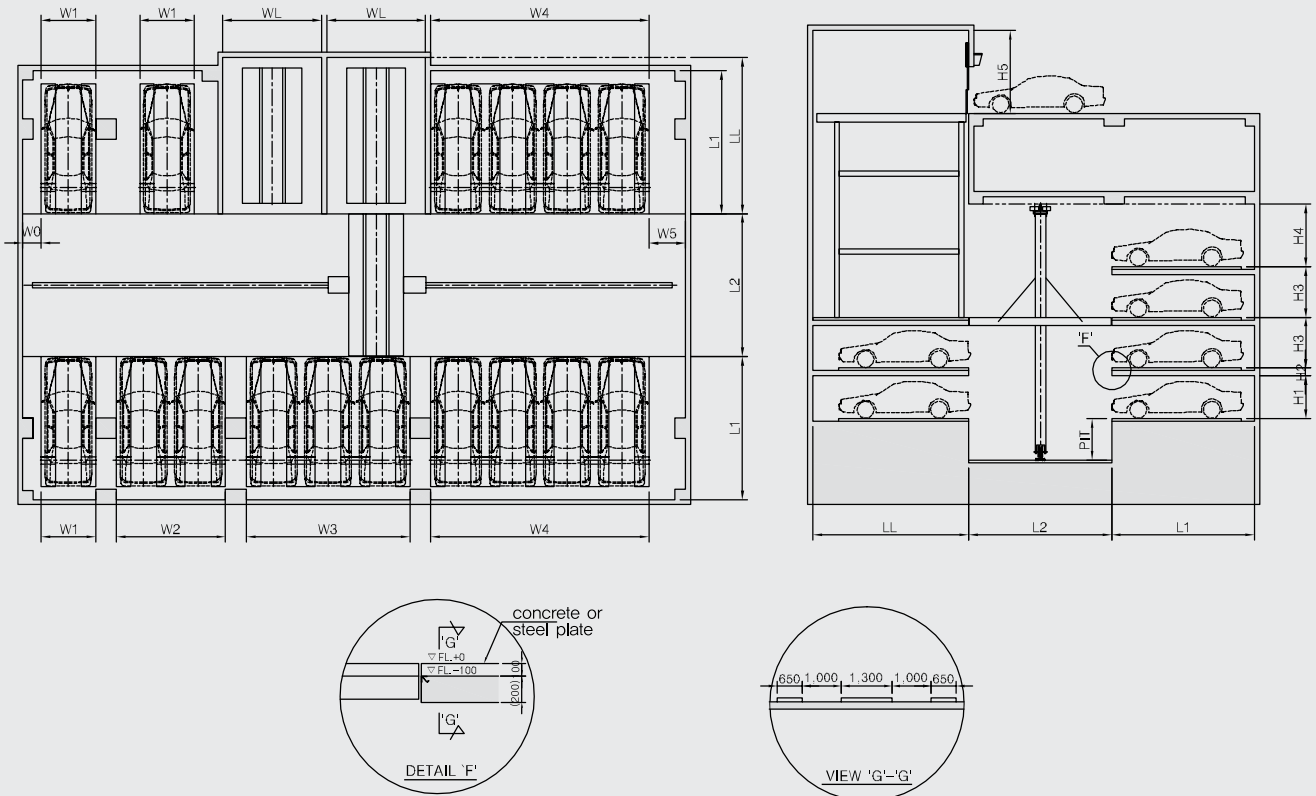
Type	ML	ME
Overall Width (mm)	2000	2150
Overall Height (mm)	1550	1550
Overall Length (mm)	5000	5150
Weight (kg)	1850	2200

STANDARD SPECIFICATIONS

Lift	Driving Type	Rope & Chain		
	Motor	22kW		
	Speed	60m/min		
Translator	Direction	Lifting	Traversing	Shifting
	Motor	18.5kW	5.5kW	5.5kW
	Speed	50/min	50/min	16sec/cycle
Power Supply		60KVA		

SPECIAL FEATURES

- ▶ Simultaneous operation of both driving and lifting to enable quick parking/retrieval time (one minute in average).
- ▶ Possible to add lift in operating system and combined it with translator will give more flexible location preference of entrance.
- ▶ Semi-permanent parking shelves in concrete and as there are no pallets to take care, maintenance is not required.
- ▶ Lower floor height (1900 mm), to minimize floor height and maximize space utilization when new building construction is considered.
- ▶ Parking lots can be built with steel frame structure (possible to reduce construction time).

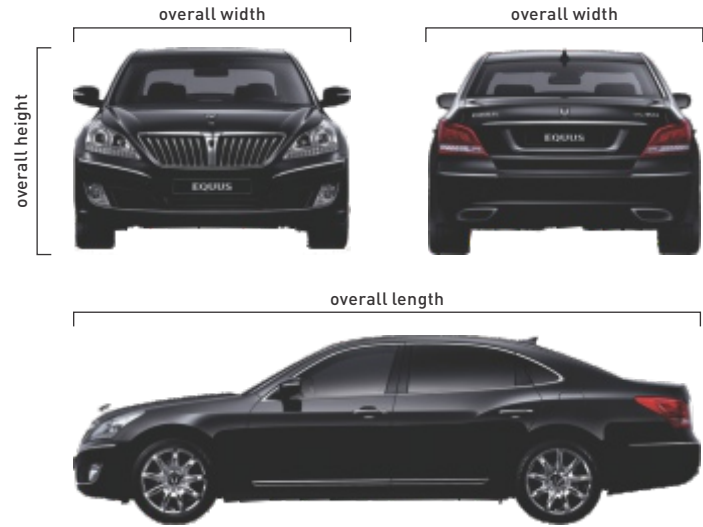


STANDARD DIMENSIONS

		ML	ME
W(mm)	W0	700	700
	W1	2,100	2,300
	W2	4,200	4,600
	W3	6,300	6,900
	W4	8,400	9,200
	W5	1,400	1,400
	WL	3,800	3,800
L(mm)	L1	5,500	5,500
	L2	5,500	5,500
	LL	6,000	6,000
H(mm)	H1	1,650	1,650
	H2	300	300
	H3	1,950	1,950
	H4	2,400	2,400
	H5	3,200	3,200
	PIT(mm)	1,800	1,800

ROTARY PARKING

Rotary parking is ideal for small batch of 20 car parking slots. It is suitable for indoor and outdoor application. It is compact and most effective in small space.



STANDARD DIMENSIONS

Type	ML	ME
Overall Width (mm)	2000	2150
Overall Height (mm)	1550	1550
Overall Length (mm)	5000	5150
Weight (kg)	1850	2200

STANDARD DIMENSIONS

Capacity	W(mm)	L(mm)	H1(mm)	H2(mm)
7	5750	8700	7,560	8,700
8			7,990	9,600
9	5750	8700	9,390	10,490
10			10,290	11,380
11			11,180	12,250
12			12,070	13,160
13			12,970	14,050
14			13,860	14,950
15	5900	8750	14,750	15,840
16			15,640	16,730
17			16,530	17,620
20			19,870	20,960

◆ Please secure W+350, L+300, and H2+300 in cases of additionally installing exterior (based upon 50T panel of an independent steel tower).

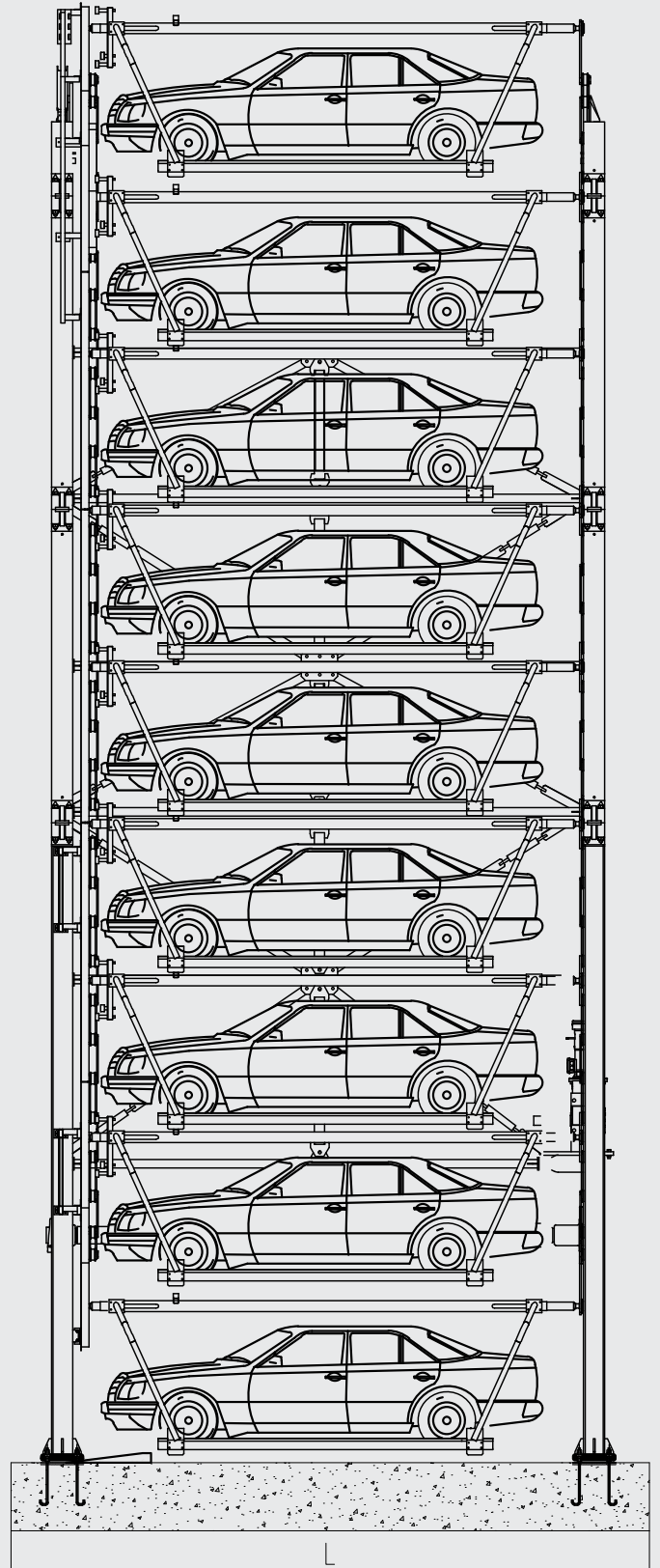
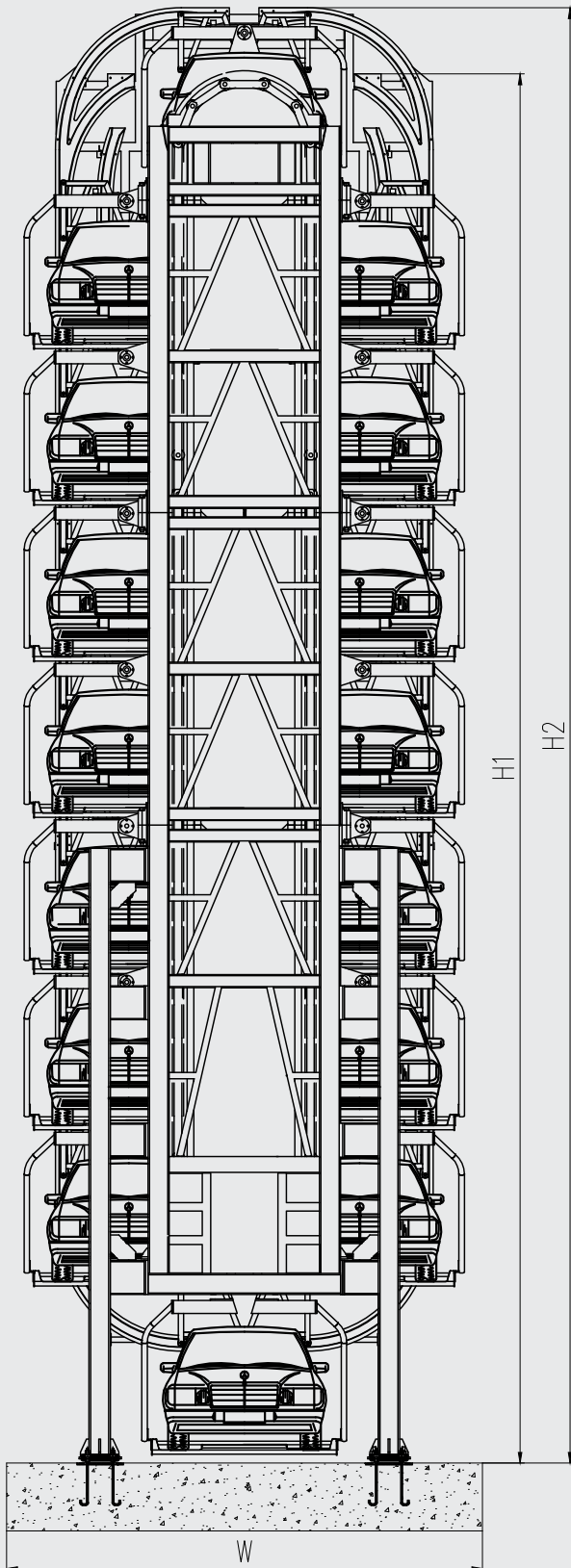
◆ Please secure W+100, L+100, and H2+300 in cases of interior type

SPECIAL FEATURES

- ▶ It offers quick continuous vehicle in and out time.
- ▶ It offers utmost use of space. (Maximum 20 vehicles can be parked in the space of two vehicle parked on the ground).
- ▶ It offers prompt Vehicle in and out time.
- ▶ It is ideal for downtown parking garages.

STANDARD SPECIFICATIONS

Driving Power	Chain
Speed	under 3.8m/min
Motor	Max. 11kW
Operation Type	line - start column
Control Type	Micom Type
Electric Capacity	Max. 15KVA





CITY PARK
The way parking should be

CORPORATE OFFICE

City Lifts India Limited

Krishna Niwas, Kadam Wadi Lane, Near Airport Road Metro Station,
Andheri (e), Mumbai- 400059.

Tel. : +91 22 50845101 - 50 | Email : city@citylift.co.in

W : www.citylift.co.in

BRANCH OFFICE

Hyderabad

301 Sai Kiran Apartment, 7-1-53/1,
Dharam Karan Road, Ameerpet, Hyderabad-16
Email: city.hyderabad@citylift.co.in

City Elevators, Chennai

4/5, 2nd Floor, Muthiyal Reddy Nagar,
Inner Ring Road, Adambakkam, Chennai -600088
Tel. : 044-22600119
Email: city.chennai@cityelevators.in

New Delhi

206/1, 2nd Floor, B-9, Nehru Complex,
Pandav Nagar, Delhi - 110092
Email: city.delhi@citylift.co.in

Power Project Division

857, Sbi Colony, Tadoba Road,
Tukum, Chandrapur - 442 401.
Tel. : +91 7172 255858