

Engineered to lift motor vehicles for car parks but also suitable for car dealers to use as a showcase with glass cover around the steel construction. Structural Analysis for these lifts has been carried out in accordance with UBC-97 (Uniform Building Code) & ASCE-7 (American Society of Civil Engineers) with EQ and wind loads taken into consideration. Systems are approved by City of New York/Dept. of Buildings. (Approval #: MEA157-04-E).



SAFETY FEATURES

The Power column is fitted with a mechanical safety lock that automatically engages with each platform during descent. This locks the platforms in the event of any electrical or mechanical failure. For complete safety, the lock has to be manually released during the descent phase. (man-present system)

Making sure that below the platform there is no vehicle or obstacle, the person using the mechanical lever deactivates the lock mechanism which will then allow the platforms to move downward safely. There is also a cable failure mechanism as an additional safety measure.

Parachute valves, otherwise known as hose rupture valves, are placed inside the cylinder that stops the down flow of the oil in case of emergency.

SAFETY: The device is equipped with a safety locking system. The safety hook system holds the full weight of the vehicle on the platform in a locked position. The device is equipped with a secondary (anti-fall) safety system. The device can be equipped with an individual keyed controller for extra safety. Self-attended applications may require additional sensors to detect objects located under the platform or entering the area below the platform.

FIRE SPRINKLERS

OUTDOOR: 1. Most cities do not require fire sprinklers. 2. may need to conform to additional zoning regulations and building code requirements.

INDOOR: 1. installation shall be in a sprinklered garage. in the tandem array, additional sprinkler requirements may apply. 2. Sprinkler Plans filed and approved by the local municipality. 3. Sprinkler system designed as required by NFPA 13 and local building codes. 4. clear building height within the parking area must accommodate the height of equipment plus additional requirements for adequate coverage of fire sprinklers.

FIRE PROTECTION: In most metropolitan areas, car stackers are reviewed as similar to high piled storage and non-building structures. A fire rating of structural components is not required. Sprinklers may be required per the following section. Each city may have fire department guidelines.

LOADING: Structural design and loading is provided on a project by project basis and is dependant on seismic zones, soil conditions, and other environmental conditions.

WARRANTY: 12 month Standard Manufacturer's Warranty on new equipment. Equipment Lifespan: Indoor = 7,500 cycles; Outdoor = 5,000 cycles.

SERVICE: At the end of the 12-month warranty period, a service contract is available upon request. The rental option may include Service & maintenance for the full term.

APPROVALS

- MEA/OTCR Certified, City of New York
- LAETL approved, LaRR#930532, city of Los Angeles
- California Seismic code compliant
- Miami Dade county compliant
- Approved in multiple U.S. cities

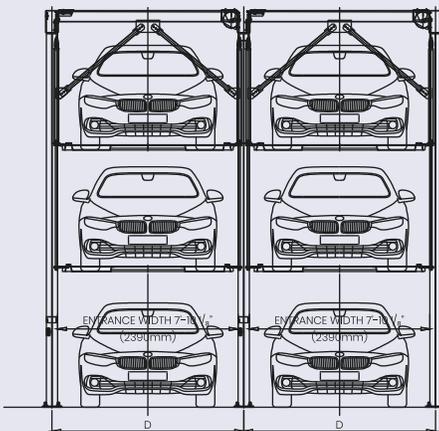
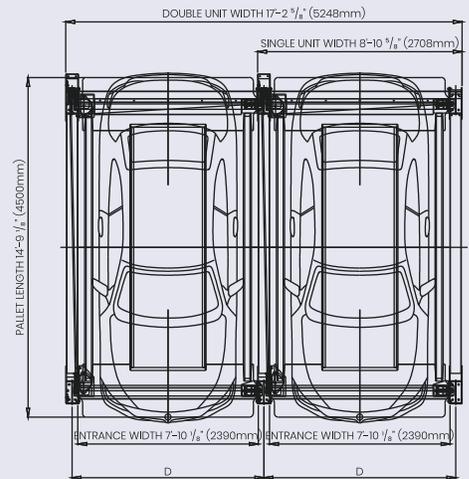
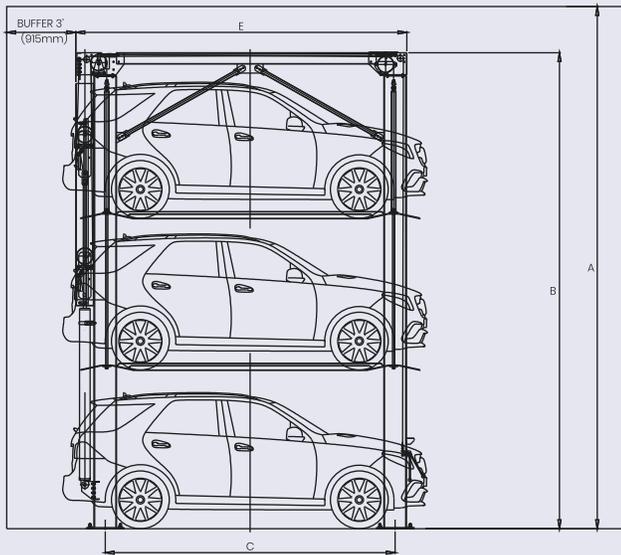


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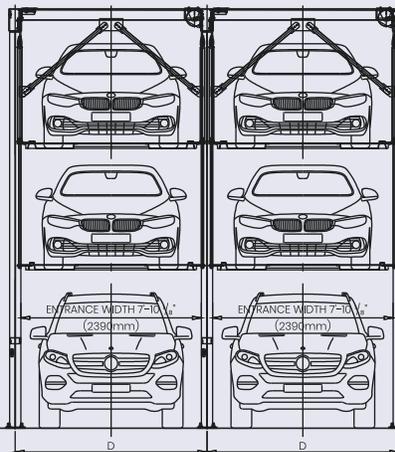
🌐 info@parkmatic.com

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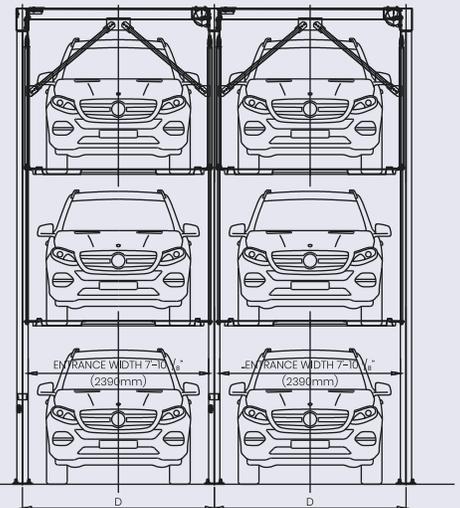
SPECIFICATIONS & DIMENSIONS



VSS-PH3-L



VSS-PH3-SL



VSS-PH3-SU

TRIPLE STACKER DIMENSIONS

	A	B	C	D	E
	MIN. CLEAR HEIGHT	TOTAL HEIGHT	CENTER TO CENTER COLUMN LENGTH	OVERALL WIDTH	TOTAL LENGTH
VSS-PH3-L	19'-3" (5867mm)	17'-3 1/8" (5260mm)	12'-7 1/8" (3840mm)	8'-4" (2540mm)	14'-4 5/8" (4384mm)
VSS-PH3-SL	20'-3" (6173mm)	18'-2 7/8" (5560mm)	12'-7 1/8" (3840mm)	8'-4" (2540mm)	14'-4 5/8" (4384mm)
VSS-PH3-SU	22'-8 1/2" (6923mm)	20'-8 3/8" (6310mm)	12'-7 1/8" (3840mm)	8'-4" (2540mm)	14'-4 5/8" (4384mm)

* d: 3500 PSI concrete, with level foundation

TRIPLE STACKER SPECIFICATIONS

Cylinder	Piston \varnothing 120, Rod \varnothing 40, 2070st
Lifting Speed	18'-1/2"/min (5.5m/min)
Lifting Times	45 sec
Working Pressure	1707 psi (120 kg/cm ²)
Source of Power	AC220Vx3 ϕ x50Hz

AVAILABLE DIMENSION OF CARS

LENGTH	17'-3/4" (5200mm)
WIDTH	7'-5/8" (2150mm)
HEIGHT	6'-3/4" (2000mm)
WEIGHT	5512 lbs (2500 kg)