

Nivo-Park 1127 / 1123

Two Post Parking Lift

> Introduction

Nivo -Park 1127 and 1123 are **Ateco** two post parking lift, the platform of which moves only vertically, so the users have to clear the ground level to get the higher level car down. **Nivo -Park 1127/1123** is a kind of dependent parking equipment, suitable for both commercial and residential parking purposes. In case of short time user (e.g. for office, hotel, commercial building) only possible on lower platform, or with attendant or valet parking both levels are possible for short time user.



- Accommodate most types of vehicles
- Galvanized and corrugated platform guarantee safety and long lifetime
- Anti-slip corrugated deck protect both vehicle and driver from possible slip and damage but still high-heel shoe friendly
- Single hydraulic lifting cylinders with chains as driven system
- The pole with piston is chroming to anti-corrode to ensure its long using life
- Individual hydraulic power pack and control panel for each unit. As an option, One commercial power pump shared by multiple units can extremely shorten the lifting time.
- Self-standing and self-support structure
- Symmetrical designed column
- Synchronization chain assuring the lifting platform balance
- Middle post sharing feature save cost and space
- Electric key switch for security and safety
- Automatic shut-off if operator releases the key switch
- Dynamic mechanical locks as anti-falling device hold the platform in place
- Manual lock release available in case electricity failure
- Platform can be stopped at different heights to fit for various vehicles and ceiling heights

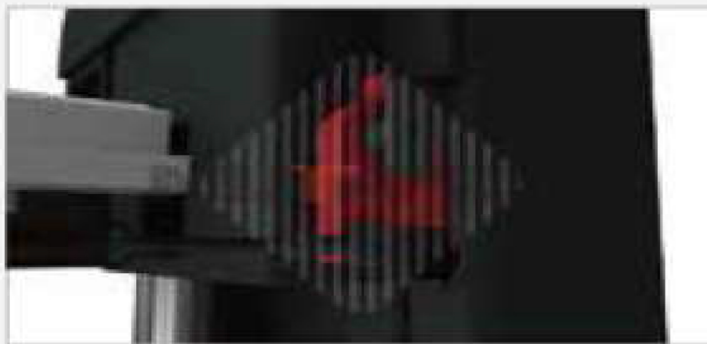
General Parts



Nivo-Park 1127/1123



- ① Carriage
- ② Transparent oil tank (steel oil tank is optional)
- ③ Galvanized waving plate
- ④ Electric box
- ⑤ Key switch & emergency stop button
- ⑥ Dynamic anti-falling lock
- ⑦ Front footage
- ⑧ Limit switch
- ⑨ Power pack
- ⑩ Photocell sensor



> **TUV compliant, which is the most authoritative certification in the world**

Certification standard 2006/42/EC and EN14010

> **Low usage cost**

When the platform moves down, it will be driven by gravity, so there is no electricity consumption for hydraulic power pack

> **New hydraulic system which owns Ashkenazi structure (superior version)**

The hydraulic system adopts German top-level product structure design, which is stable and reliable, avoid the maintenance troubles, and its lifetime is twice as long as that of the old one

> **All-new designed control system**

Easier manipulation, safer use, failure rate reduced by 50%

> **Galvanized pallet**

Far more beautiful and durable than observed, lifetime more than doubled

> **Zero accident security system**

All-new upgraded security system, really reaches zero accident

> **Dynamic locking device**

A range of locking tabs at every 100mm on the posts to protect cars from falling

> **More stable electric motors**

Newly upgraded power pack unit system

> **Further strengthened main structure of the equipment**

The thickness of the steel plates and the weld joints have increased by 10% compared to the predecessor



> **Gentle metallic touch, excellent surface finishing**

After applying AkzoNobel powder, color saturation, weather resistance and its adhesion are significantly enhanced

> **Rich color**

Great care is taken with the treatment of lacquer face, in order to improve the quality of products on surface looking to the maximum extent

> **Strong adhesion**

The weather resistance of the spray powder has better performance under special technology, which can stand wear and tear

> **Superior chains provided by Korean chain manufacturer**

The life span is 20% longer than that of the domestic chains

> **Galvanized screw bolts based on the European standard**

Longer lifetime, much higher corrosion resistance

> **Unique hydraulic centralized control (optional)**

Perfect shared power pack unit solution

> **Modular connection, innovative sharing post design**

The Hydro-Park two post car parking lift owns sharing post design. Combine multiple units at your will based on usage

> **Laser cutting + robotic welding**

Accurate laser cutting improves the accuracy of the parts, and automated robotic welding makes the weld joints more firm and beautiful

> **Unique optional single standing suite**

Exclusive development of the standing suite for all kinds of terrain, the installation of the equipment is no longer constrained by the ground environment

> General

Model	Nivo -Park 1127	Nivo-Park 1123
Vehicles parked per unit	2	2
Rated capacity	2700kg	2300kg
Available car length	5000mm	5000mm
Available car width	1850mm	1850mm
Available car height	2050mm	2050mm
Drive mode	Hydraulic cylinder + chains	Hydraulic cylinder + chains
Operation	Key switch	Key switch
Lifting speed	<50s	<50s
Descending speed	<35s	<35s
Power supply	100-480V, 1/3P, 50/60Hz	100-480V, 1/3P, 50/60Hz
Finishing	Powder coating with Akzo Nobel powder	Powder coating with Akzo Nobel powder

> Hydraulic

Model	Nivo-Park 1127	Nivo-Park 1123
Pump motor power	2.2Kw	2.2Kw
Pump flow	2.6ML/r	2.6ML/r
Pump working pressure	16-17MPa	16-17MPa
Hydraulic cylinder	Italian Aston seals	Italian Aston seals
Hydraulic oil	L-HV 46#	L-HV 46#
Lifting chain	LH1266	LH1266
Balance chain	LH1066	LH1066

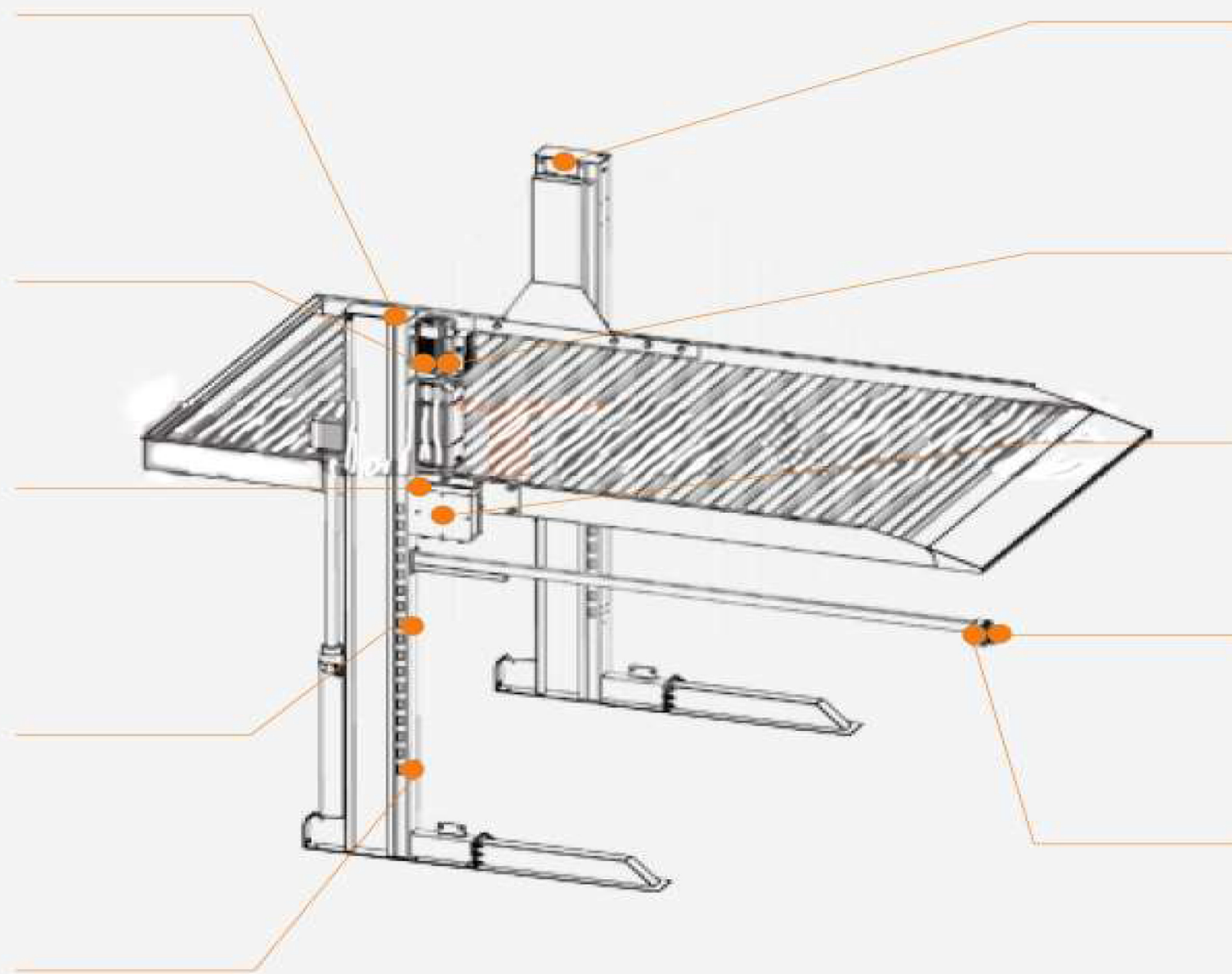
Limit switch in the top of the post. When the platform goes to the appointed height, it will automatic stopped to avoid the wrong operation

Pressure relief valve and pressure compensate flow control valve

Auto locking system in case electrical failure

Mechanical anti-falling safety lock every 100mm on the post

Photocell sensor available to check under car and avoid trespass



Synchronization chain

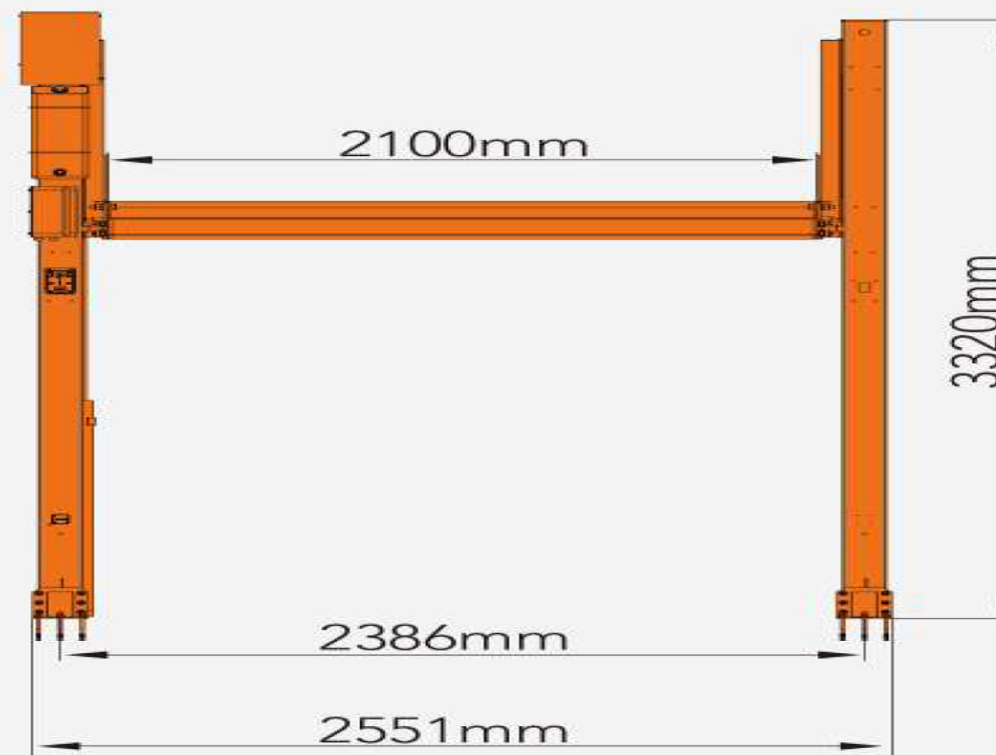
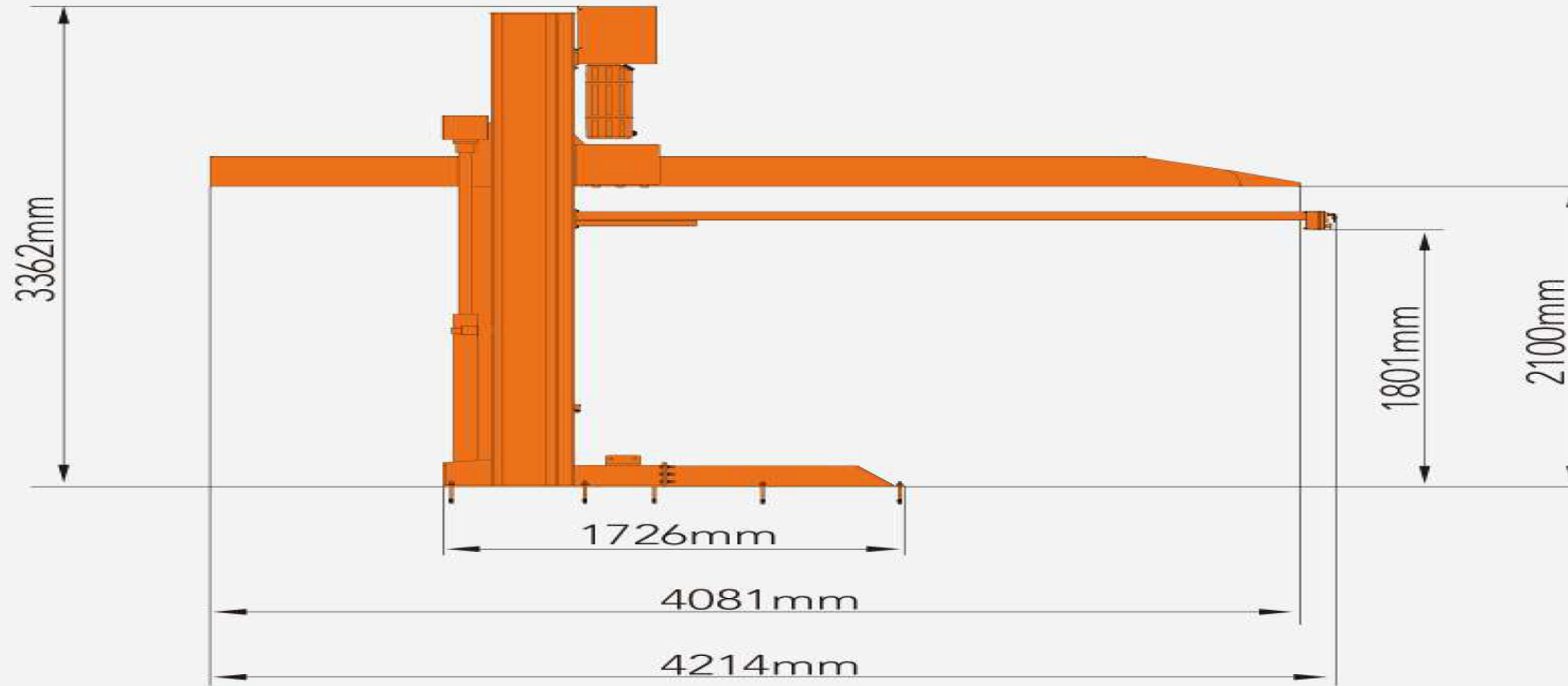
Overload protection device for hydraulic power pack

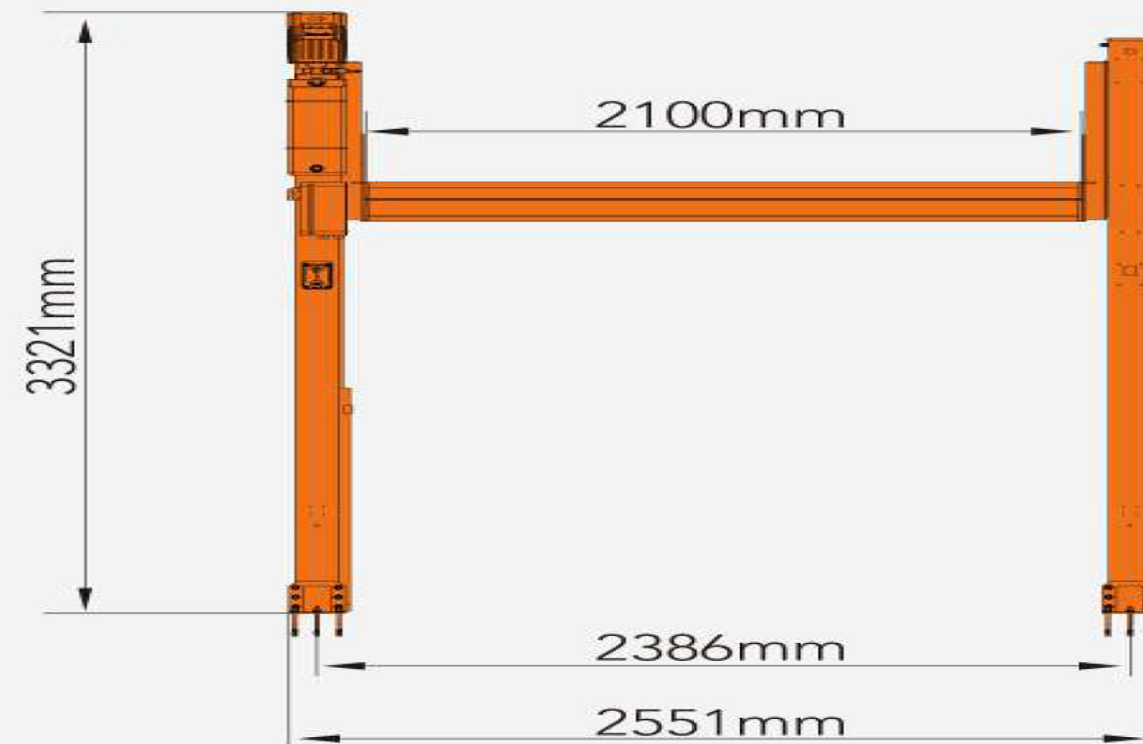
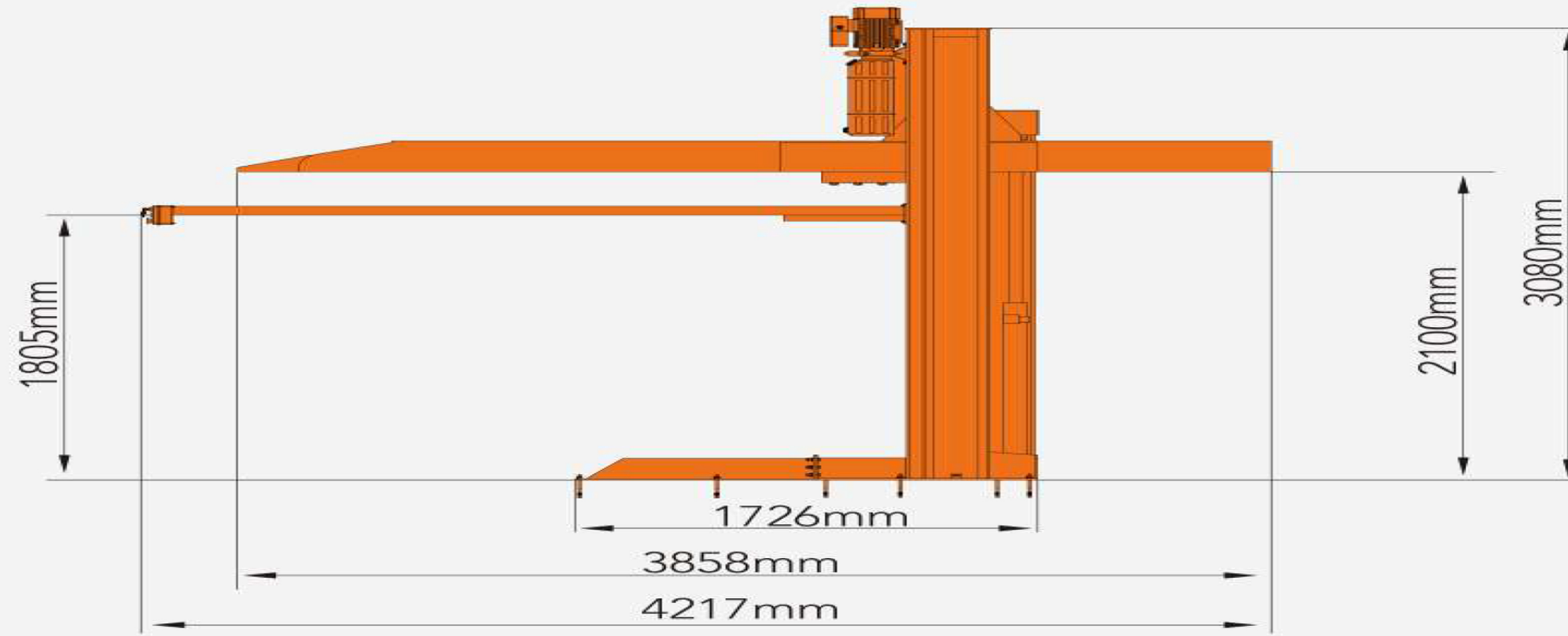
Electric protection for power over load or under voltage

Emergency stop button

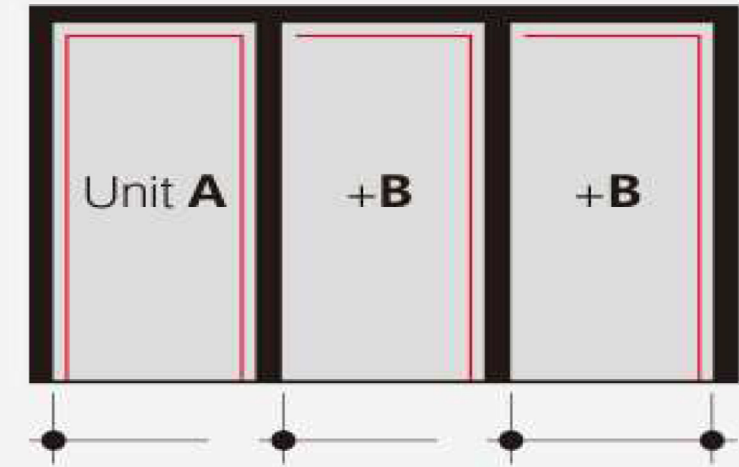
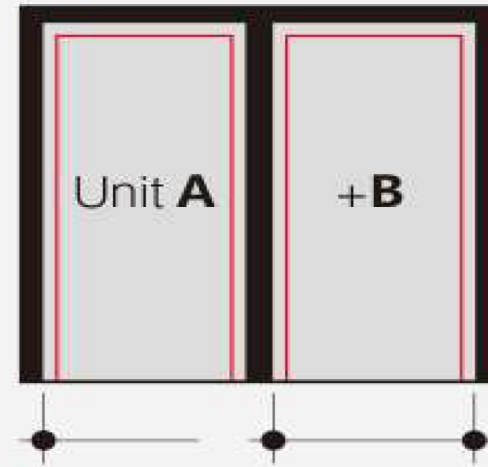
24v electric lock release has no harm for operator

> Nivo-Park 1127





> Width dimensions single unit (2cars)



Total width required	Clear platform width
----------------------	----------------------

2551	2100
2651	2200
2751	2300
2851	2400

Total width required	Clear platform width
----------------------	----------------------

4937	2100
5137	2200
5337	2300
5537	2400

Total width required	Clear platform width
----------------------	----------------------

7323	2100
7523	2200
7723	2300
7923	2400

> Notes

Clear platform width of 2100 mm for car widths of 1850 mm. For large touring sedans we recommend a clear platform width of at least 2300-2500 mm.

According to ISO 3864 the floor has to be marked with 100 mm wide yellow-black at a distance of 500 mm from the platform edge by the purchaser (to be performed according to local regulations.)

The lowering speed of an empty platform is considerably lower than a loaded one.

It is not possible to have channels or undercuts and/or concrete haunches along the floor-to-wall joints. In the event that channels or undercuts are necessary, the system width needs to be reduced or the installation width needs to be wider.

The manufacturer reserves the right to construction or model modifications and/or alterations. Furthermore, the right to any subsequent part modification and/or variations and amendments in procedures and standards due to technical and engineering progresses in the art or due to environmental regulation changes, are also hereby reserved.



Powder coating is applied as a free-flowing, dry powder. It is typically applied electrostatically and is then cured under heat to allow it to flow and form a "skin". It is usually used to create a hard finish that is tougher than conventional paint.

> Scope of application

Suitable for residential buildings, office buildings and business premises, hotels

Only for long-term users that have been instructed on how to use the system

For frequently changing users (e.g. for office, hotel and business premises or similar):

- only parking on ground level
- performance of technical system adjustments in necessary
- consultation with Mutrade is mandatory

> Electrical installation preparation

Cabling preparation to be performed by the customer:

- Up to the main switch to be in place prior to starting the installation operations
- Connection to the main switch during installation
- System functional check testing can be performed by the electrician provided by the customer

Grounding and potential equalization:

- To be performed by the customer compliant to local regulations
- Connections required every 10 meters

> Noise protection

Insulation figure of the construction of min. $R_w = 57$ dB

Walls which are bordering the parking systems must be done as single wall and deflection resistant with min. $m = 300$ kg/ m^2

Solid ceiling above the parking systems with min. $m = 400$ kg/ m^2

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

> Temperature

The installation is designed to operate between $+5^\circ$ and $+40^\circ$ C. Atmospheric Humidity: 50% at $+40^\circ$ C. If the local circumstances differ from the above please contact Mutrade.

> Protection against corrosion

Independent of a maintenance workings has to be carried out according to Mutrade Cleaning and Maintenance Instruction regularly.

Clean up galvanized parts and platforms of dirt and road salt as well as other pollution (corrosion danger)!

> Fire safety

Each and every fire safety requirement and all possible mandatory item(s) and equipment(s) (fire extinguishing systems and fire alarm systems, etc.) are to be provided by the customer.

> Railings

If walkways are arranged directly to the side or behind the systems, railings have to be provided acc. EN ISO 13857 by client acc. to local requirements, height min. 200cm.



- > Do lubrication on guide rail and guide pulley once per month.



- > Do lubrication on balance chain once per month.



- > Change all the hydraulic oil three months after first operation; and change oil every nine months after first changing.



- > Frequently check the screw nuts of bolts fixing the electromagnet and locking plate, if any screw nut is loosening please fasten it asap.



- > If any noise comes out from electromagnet, please replace it asap.



- > The seal in hydraulic cylinder should be replaced every two years.



- > The roller and sliding block should be replaced every two years.



- > The valve element in solenoid valve and filter in power unit should be cleaned every half year.

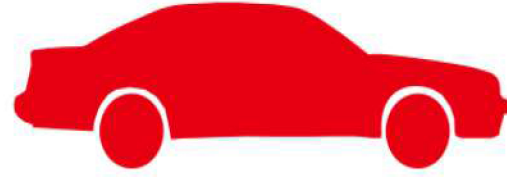


- > Before operation, please check the connector of electromagnet, if it's loosening please fasten it; then do testing on top limit switch and photocell sensor, if it cannot work please fix the problem, and if cannot fix it please replace it.



ATECO CORPORATION

اتيكو كورپوريشن



Address of Offices:

- 20 Samir Abdelrauf, extention Makram Ebid St., Nasr City, Cairo, Egypt.
- Financial Center (140), Zone 1. Banking Road, From 90th Street. First floor. Red-Con Building.
New Cairo - Cairo Governorate 11835, Egypt.

Tel No.:+202 2677 5416

:+202 2677 5125

Mobile: +201022000282

Website: www.ateco.co

Email: info@ateco.co

Facebook: fb.me/ateco.parking