

PANDA ATLANT LIFT

Type:	Car lift
Model:	PANDA LIFT «ATLANT - 3000»
Who made it?	Design, development, and production by Panda Group
How does it look?	 click to watch on our youtube channel



TECHNICAL PARAMETERS

Payload capacity	3 000 kg
Payload capacity of the roof (closed)	3 000 kg
Lifting height	2 500 mm
Platform size	5 300 x 2 600 mm
Installation size/shaft (length x width)	5 380 x 2 680 mm
Height in closed position	600 mm
Main structure	High grade laser cut double painted steel
Joints hinges and sliding assembly	High performance polymer
Hydraulic cylinders	Premium class Italian made with lock protection
Hydraulic hoses and couplings	Heavy duty reinforced high pressure
Hydraulic unit	Italian made parts with 7.5 kW low-noise electric motor
Electric unit	220V/380V components by Siemens & ABB
Platform floor	5 mm removable chequered plates

WHAT IS IT MADE OF?

Main structure

All Panda Lift equipment has a premium aesthetic appearance, high decorative properties and superb corrosion protection.

Main structure is made with laser and plasma cut high strength high grade structural steel painted with wear-resistant two component paint applied onto phosphating primer.



Control panels

Made of anodized aluminum these control panels are mounted on upper and lower levels. They sport a great aesthetic appearance, low running voltage - 24V (DC) and IP65 protection class.



(click)

Joints and hinges

High-strength polymer-based sliding assemblies and hinges and plain bearings provide no less than 10,000 quiet scissor cycles. There are no direct steel-to-steel connections in the hoist design which means no mechanical metallic noises (creaking, grinding) will appear over time.

Hydraulic unit

The hydraulic station is equipped with Italian made hydraulic components and a quiet electric motor.

Reinforced high pressure hydraulic hoses and fittings are manufactured in Italy by "ANCHOR", and are proven by their utilization in some of the most demanding industrial grade machinery such as the world-famous construction equipment manufacturer CATERPILLAR.

The hydraulic station allows discreet installation in any suitable and convenient location, at a distance of up to 8-10 m from the lifting platform.



Hydraulic cylinders

Highly durable hydraulic cylinders HydroForce are manufactured in Italy with high quality chrome-plated rods and a rolled tube of H8 grade of SIDERGAMMA.

The cylinder rod has a solid wear-resistant chrome plating of 25 microns (hardness 900-1100 HV).

All these procedures significantly increase their durability, rigidity and performance. The service life of cylinders is over 700 000 meters of their piston stroke, which approximately equals to 250 000 cycles (lifting / lowering) of the scissor lift.



Switchboard

This intelligent lift command system is based on one of the most advanced Siemens programmable controllers. It commands fail-safe and secure operation of lift, door/gates, locks and all supplemental equipment. All relevant information is displayed on an individual screen.

Every control within this system is adjustable to suit any specific scenario and could easily accommodate even the most sophisticated algorithms such as IOT automation based smart-home.



IS IT SAFE?

Factor of safety (4x)

Many systems are intentionally built much stronger than needed for normal usage to allow for emergency situations, unexpected loads and misuse. All Panda Lift equipment passes rigorous testing before leaving the factory and are built to structural capability of **4** times higher than actual designed load capacity.

Hydraulic locks - (stop valves)

Attached directly onto the cylinder and protect the cylinder against excessive internal pressure drop in case of damage to hydraulic hoses and complete or partial loss of pressure in the hydraulic system.



Audit console

Connected to the switchboard it allows "revision" mode which is used during installation and periodic maintenance of the lift or if necessary to cut-off all complex electrical circuits, devices and components of the lift internal



PRODUCTION TIME

Production time	14-18 weeks
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WARRANTY

Warranty	24 month
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WHAT ARE SOME OPTIONAL EQUIPMENT?

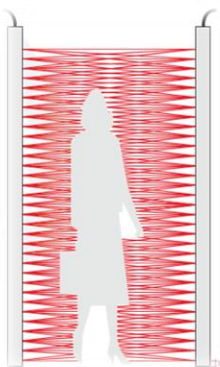
DISPLAY BOARDS - LED display panels may be installed above all entrance gates. They display current level, movement direction and if a vehicle is on the platform



LED position control light- working together with two-beam photo sensors these lights could be installed on both sides of the entry and exit area of the platform. They will indicate green if vehicle is properly located on the platform.



IR MULTI-BEAM STRIPS - 1.9m height they act as a barrier and prevent lift movement if crossed.



ON-PLATFORM CONTROL COLUMN
(mandatory for driver on board operations)

UP / DOWN with LED backlight
 Emergency stop
 Optional activation key
 Dialer - Speaker



FLOOR FINISHING

RAL (7016) painted steel – as standard

Options:

Modular polymer sheets
 Aluminum plate
 Stainless steel plate



WIRELESS REMOTE CONTROL



FENCES

Solid or rack-and-pinion fencing with a height of 1,100 or 2,100 mm provides safety and prevents access to the working area of the hydraulic lifting platform moving mechanisms.

Rack fences
 Fences with mesh
 Fences with perforated sheet
 Fences with sandwich panels

UNINTERRUPTABLE POWER SUPPLY UNIT

Allows lift **decent** in case of power outages.



ROAD BUMP

Prevents vehicle moving. 2500mm length each.

