

UN_875 Scissor Lift for Cars

PLANNING DATA



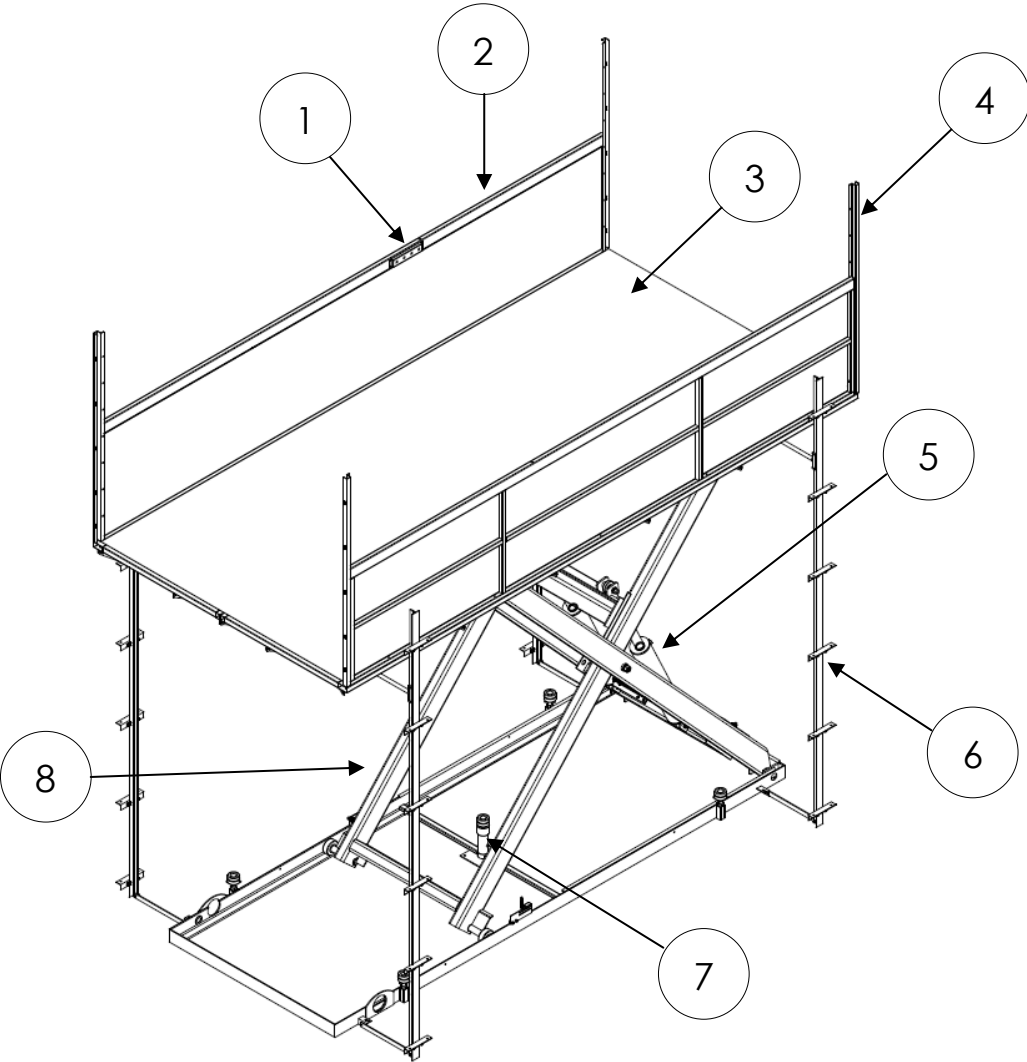
EC type - Examination certificate	Durable construction
Space-saving design	Easy installation
High lifting capacity	Smooth operation
Safe and reliable	Easy access and use

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1. Product Description

1.1. Single scissor lift

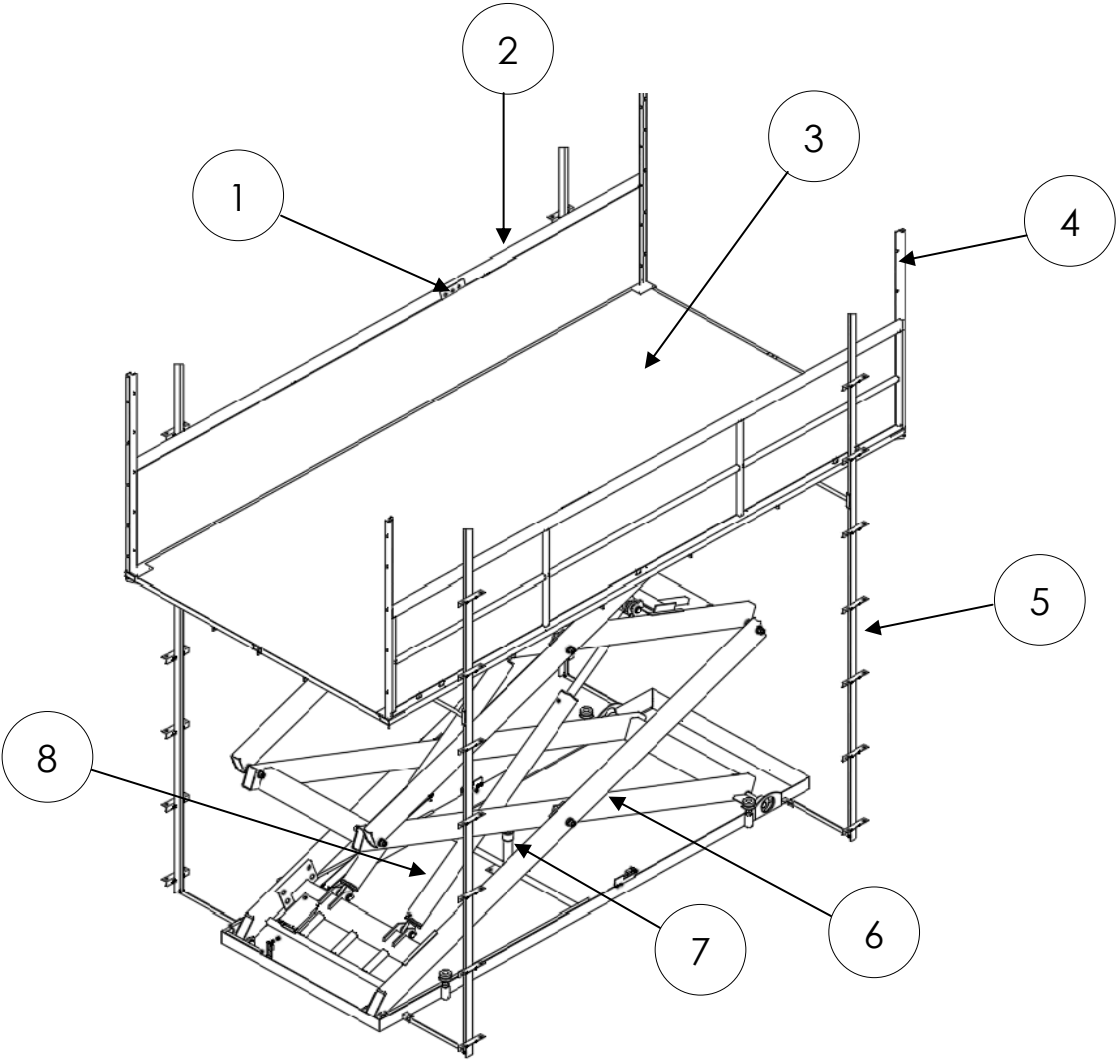


Description

- 1. Controller (COP)
- 2. Sheet metal railings - Height 1100mm
- 3. Platform
- 4. Light curtains
- 5. Hydraulic cylinder (2 pieces)
- 6. Guide rails*
- 7. Auxiliary piston (1 piece)
- 8. Scissor mechanism (1 set)

*Guide rollers can be provided as an alternative

1.2. Double scissor lift



Description

- 1. Controller (COP)
- 2. Sheet metal railings - Height 1100mm
- 3. Platform
- 4. Light curtains
- 5. Guide rails*
- 6. Scissor mechanism (2 sets)
- 7. Auxiliary piston (1 piece)
- 8. Hydraulic cylinder (2 pieces)

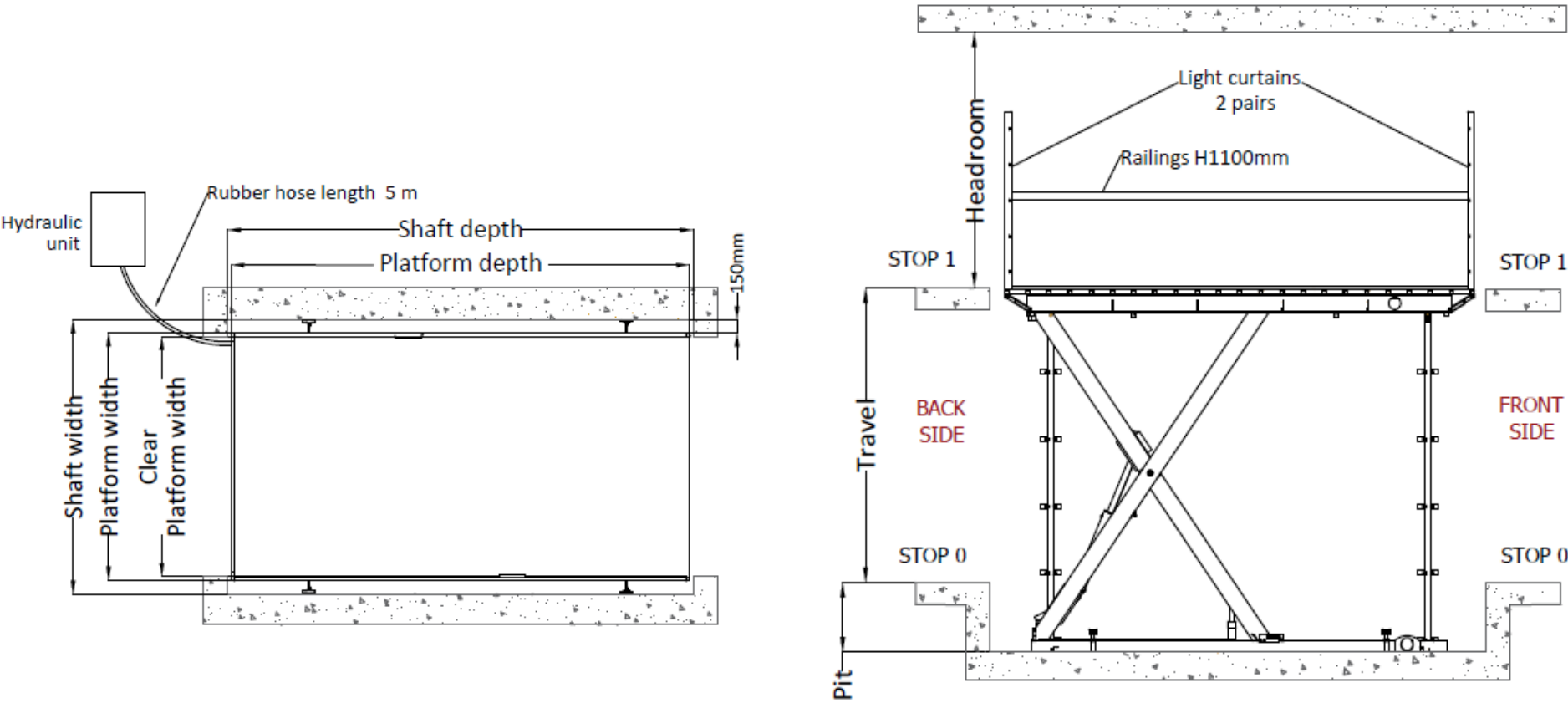
*Guide rollers can be provided as an alternative

2. Specifications

Model	UN_875 - Single Scissor Lift	UN_875 - Double Scissor Lift
Loading capacity	3000kg	3000kg
Max total travel	4150mm	7400mm
Stops	2	3
Platform dimensions *	max 3000 x 6000mm	max 3000 x 6000mm
Speed	0.06 – 0.10m/sec	0.06 – 0.10m/sec
Pit depth (mm)	min 500mm	min 600mm
Headroom	min 2300mm	min 2300mm
Motor	7.5Hp / 380V	7.5Hp / 380V
Hydraulic Cylinder	Piston Φ 70 – Cylinder Φ 120X135	Piston Φ 70 – Cylinder Φ 140X160
Standard Railings	Height 1100mm	Height 1100mm
Standard Color	Ral 9005 MAT	Ral 9005 MAT
Rubber hose & cable length	5m	5m
Sheet metal floor	Tear drop - Galvanized	Tear drop - Galvanized
Legislation & Standards	European directive on machinery 2006/42/EC	European directive on machinery 2006/42/EC
Examination Certificate	Available	Available

* Dimensions can be customized to your needs upon request

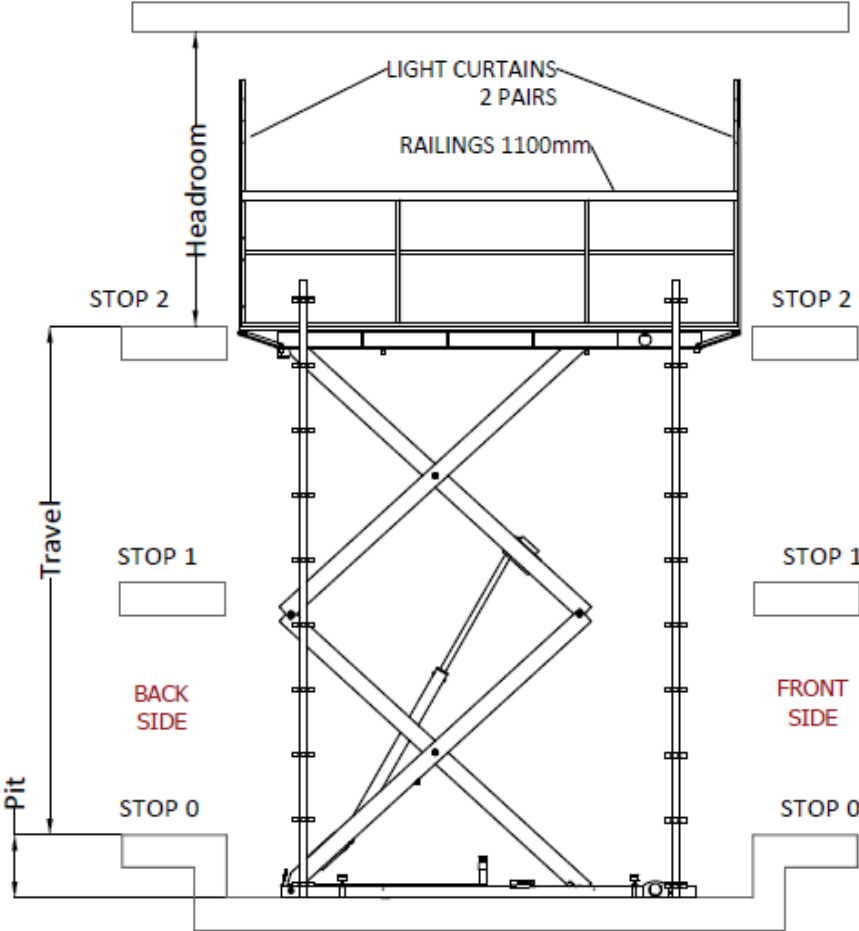
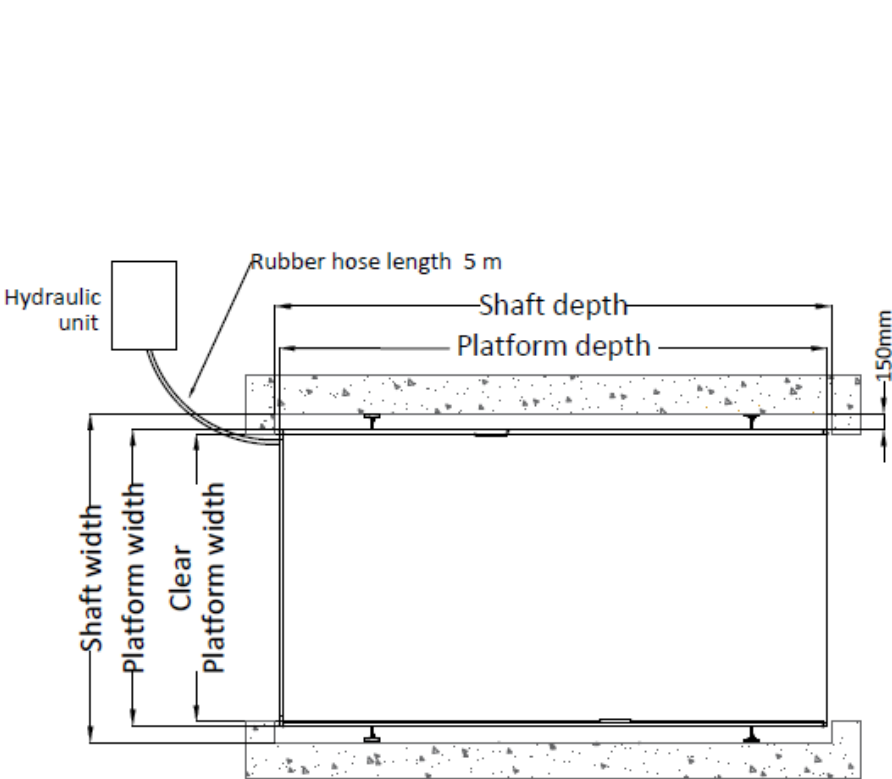
2.1 Single scissor lift (Top and side view)



* Notes

- Recommended distance between shaft and platform at depth: 50 mm
- Thickness of railings: 50 mm

2.2 Double scissor lift (Top and side view)



* Notes

- Recommended distance between shaft and platform on depth: 50 mm
- Thickness of railings: 50 mm

3. Safety Features

- Parachute valves at the bottom of the cylinder (In case of elastic tube fracture, the machine stops)
- Overloading valve
- Adjustment descent valve
- Manual descent in case of power failure
- Terminal switches on the travel 24V rise-descent
- Bypass valve

4. Control System

1. Electrical Panel (more information on page 8)
2. Controller on the platform – COP (2 pieces)
Call – Send – Bell – Emergency Stop
Push buttons with continuous pressure
3. Controllers at each level inside garage – LOP
Only call
4. Controller at the roadside – LOP
Call and safety key
5. Remote controls

***Notes:**

In 3 stages parking systems the operation panel has 3 call buttons



Controller on the platform – COP



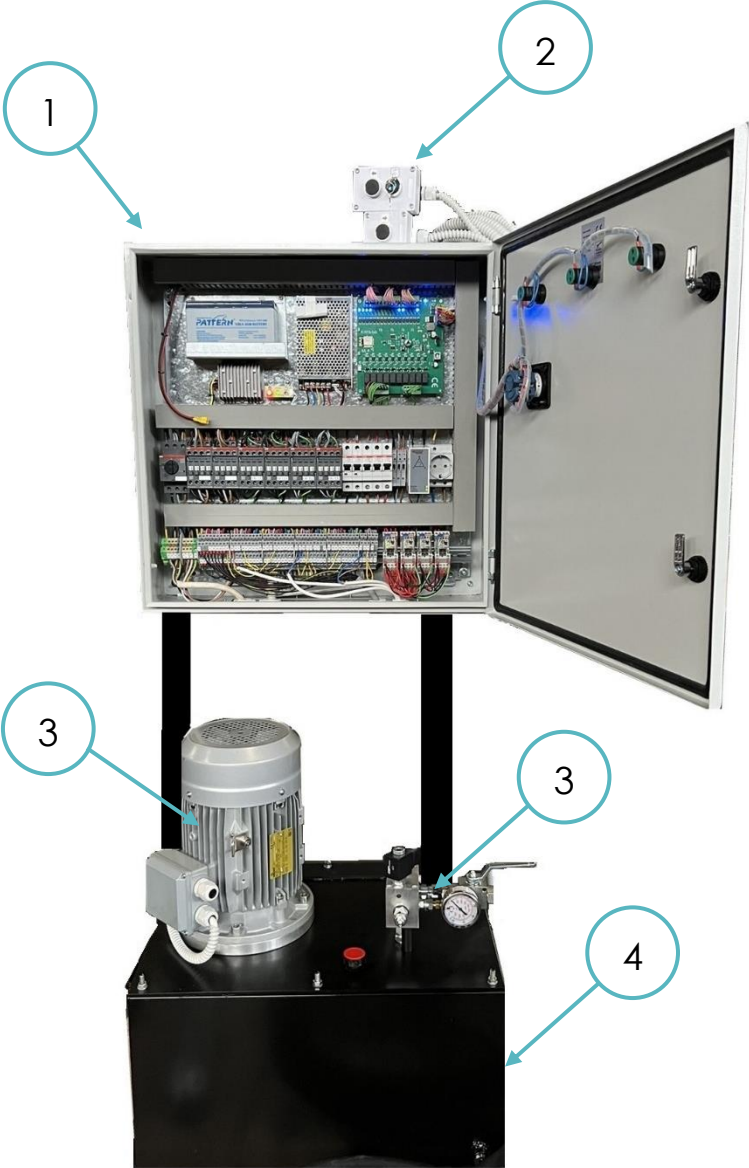
Controllers at each level – LOP



Remote controls

5. Hydraulic Unit and Electrical Panel

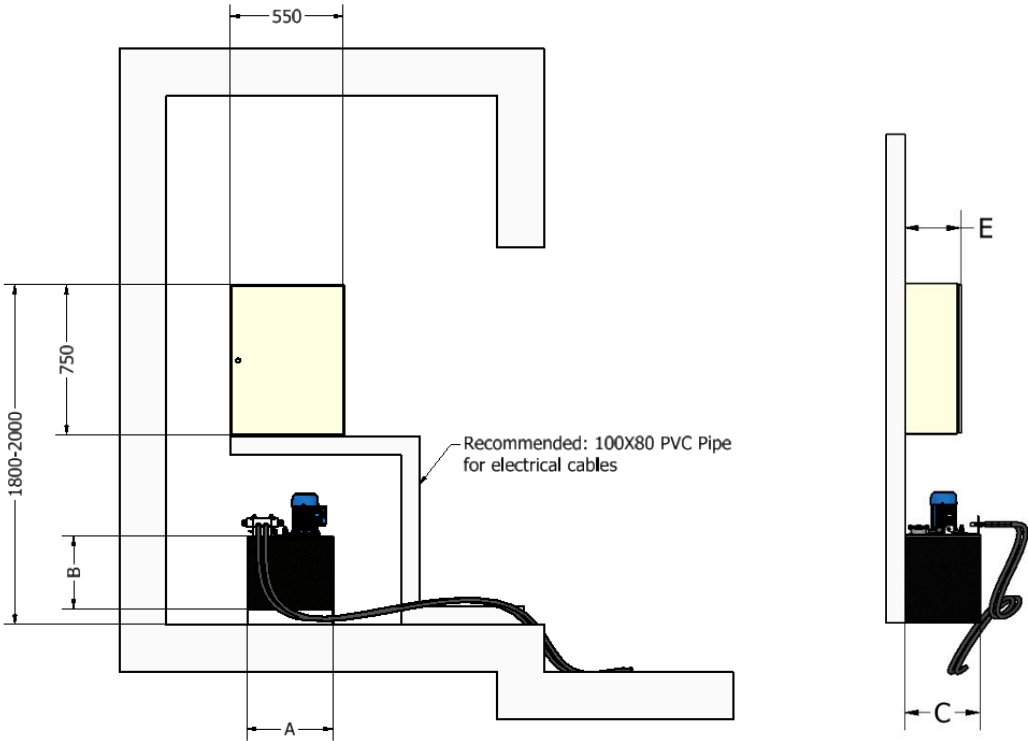
5.1 Description



Description

- 1. Electric Panel
- 2. Level Controllers (LOP)
- 3. Block Valve
- 4. Oil Tank
- 5. Motor

5.2 Dimensions

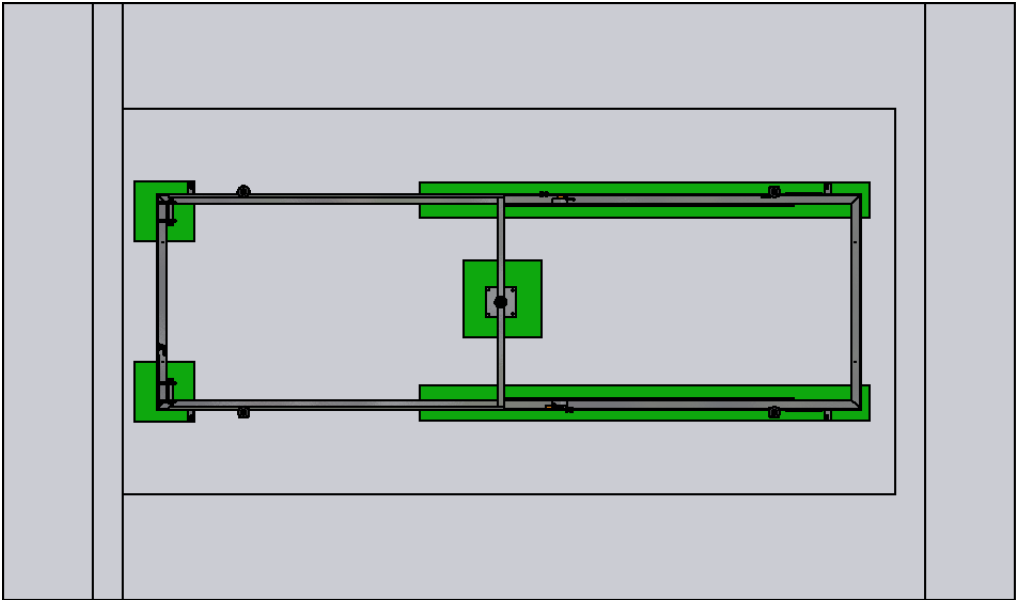


	Single Scissor	Double Scissor
A	600mm	800mm
B	315mm	355mm
C	440mm	400mm
E	200mm	200mm

* Notes

- The room for the hydraulic unit and electric control panel must be carefully chosen and easily accessible from the outside.
- It is recommended that this room be lockable with its own key.
- The shaft pit and machine room must be painted with oil-resistant paint.
- The room must have adequate ventilation to keep the electric motor temperature below 50°C.
- Install plastic pipes to route all electrical cables from the pit to the machine room.
- Use two separate pipes (minimum Ø100 mm) to allow passage of electric cables and hydraulic hoses.
- Avoid using 90° bends in the pipes.

6. Applied Forces

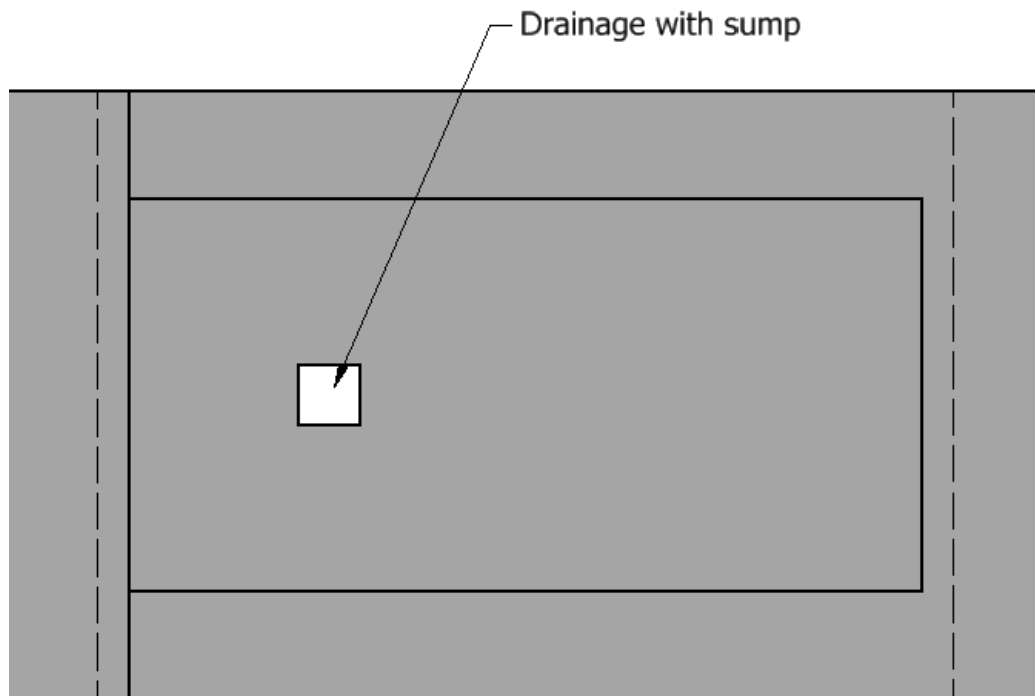


Force (KN)	
Single Scissor	Double Scissor
+65	+75

* Notes

- The scissor lift is anchored into the side walls and the ground. The drill hole depth in the ground is approx. 15 cm and in the walls is approx. 12 cm.
- The ground and the walls below the drive-in level must be made of concrete (minimum quality C20/25).
- The dimensions of the load-bearing points are approximate; for exact measurements, please consult Unique.

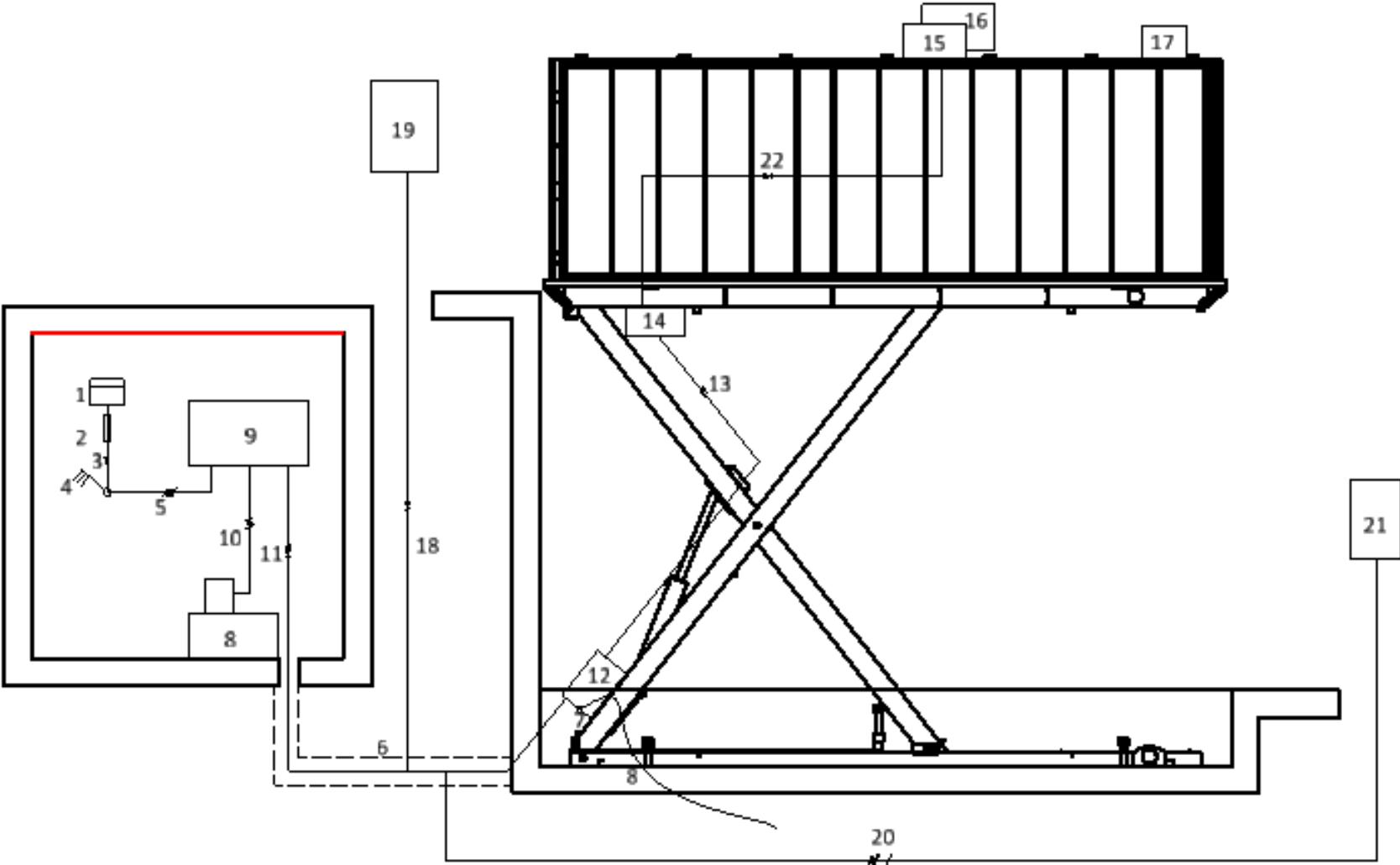
7. Drainage Plan



* Notes

- The drainage pit must have minimum dimensions of 500 x 500 x 500 mm.
- A sump pump should be installed in the pit.
- Please contact Unique before finalizing the exact location of the drainage.

8. Electric Installations



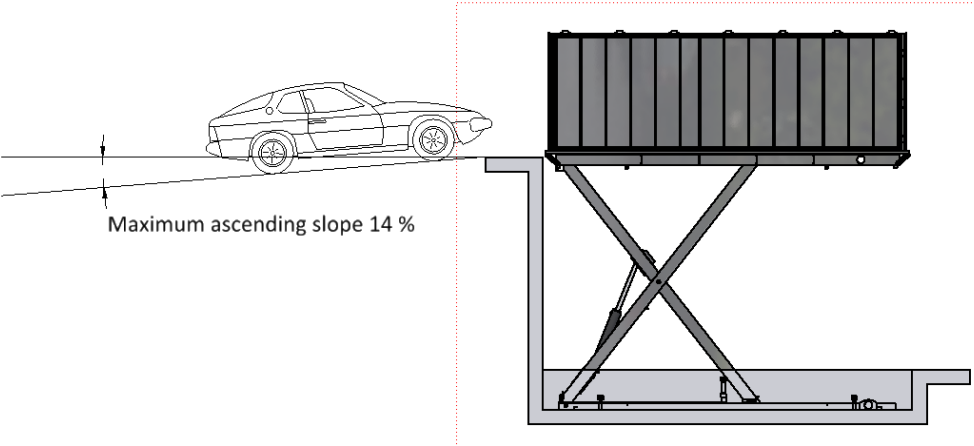
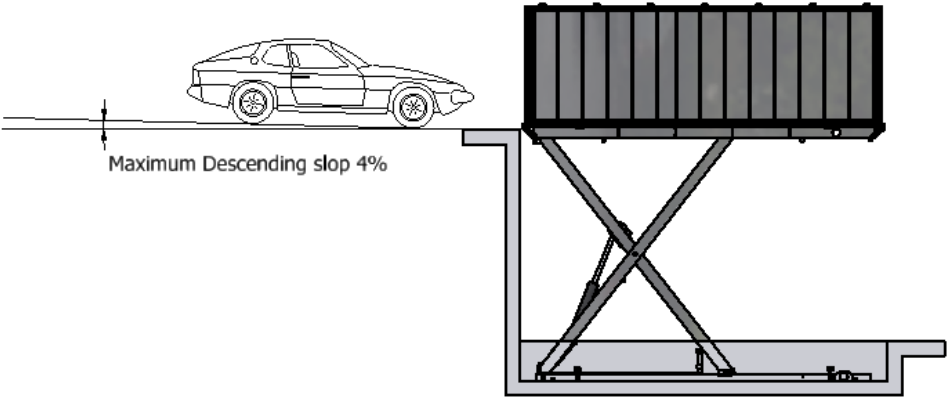
8.1 Electrical data to be performed by the customer

No.	Qty.	Description
1	1	Electricity meter
2	1	Main fuse : 3 x fuse 32 A (slow) or circuit breaker 3 x 32 A (trigger characteristic K, G or C) (Current - 10.6 A, Starting current - 13.8 A)
3	1	Supply line 5 x 4 mm ² (3 PH + N + PE) with marked wire and protective conductor
4	1	Lockable main switch
5	1	Supply line 5 x 4 mm ² (3 PH + N + PE) with marked wire and protective conductor
6	1	Control Unit
7	Every 10 meters	Foundation earth connector
8	1	Potential equalization from foundation grounding connection system according to DIN EN 60204

8.2 Electrical data included in delivery of Unique

No.	Qty.	Description
8	1	Hydraulic Unit
9	1	Control Unit
10	1	Supply line 5 x 4 mm ² (3 PH + N + PE) with marked wire and protective conductor
11	1	Control Lines, 3 Lines 18x1mm ² flat cable
12	1	Lower junction box unit
13	1	Control Line 18x1mm ² flat cable
14	1	Upper junction box unit
15	1	Left insite buttons panel
16	1	Right insite buttons panel
17	1	Light curtain junction box
18	1	Control Line 18x1mm ² flat cable
19	1	Junction box with buttons roadside
20	1	Control Line 18x1mm ² flat cable
21	1	Junction box with button garage side
22	2	Control line 12X1mm ²

9. Approach

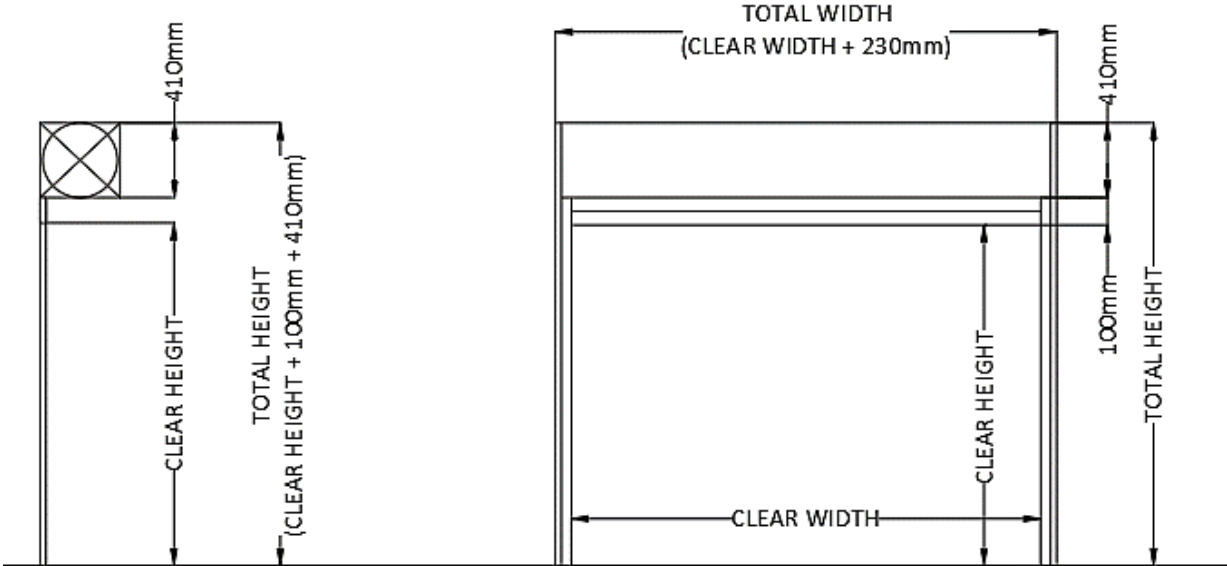


The illustrated maximum approach angles must not be exceeded.

This block contains a warning sign consisting of a red triangle with a white exclamation mark inside. Below the sign, a text box states: "The illustrated maximum approach angles must not be exceeded."

10. Roller – Shutter Door

Roller doors that seal the lift shaft are indispensable for safe operation; the lift cannot function without them. They ensure user protection, prevent foreign objects from entering the shaft, and maintain smooth, reliable performance in full compliance with CE safety standards.



*** Notes**

- Clear height must be at least as high as the greatest car height + 50mm.
- If the structural opening is available, let us know to provide you with the corresponding roller dimensions.

11. Additional Options

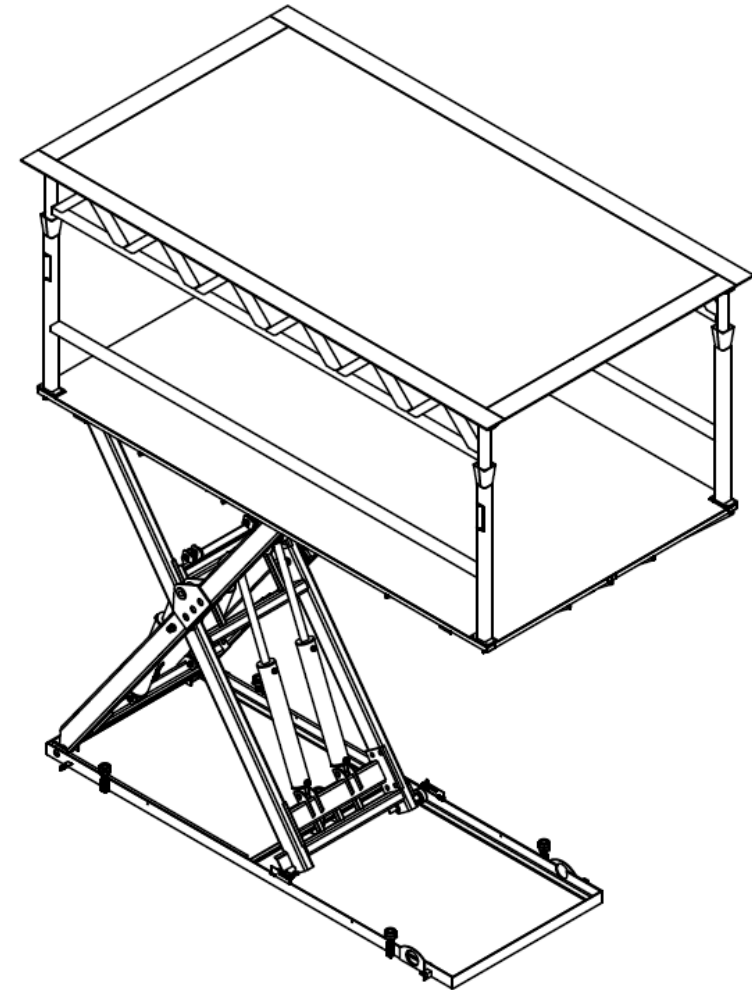
- Colours can be customized to your taste
- Galvanized machine
- Railings height up to 2000mm
- Closed cabin (Clear height 2000mm)
- Detached roof
- Cabinet (for the hydraulic and the power unit)
- Oil heater
- GSM communication system
- LOP with display

11.1 Scissor lift with detached roof

In cases where a strong passageway is required or the shaft needs to be sealed, the lift can be optionally equipped with a detached roof.

To achieve this, the scissor lift gets reinforced with more robust construction materials and two additional hydraulic cylinders.

The roof itself can be custom-designed to meet your specific requirements.



Scissor Lift with Detached Roof

12. Advantages

- **Space-Saving Design:** Ideal for parking areas with restricted entrances or limited space; can be customized to fit available space.
- **Versatile Installation:** Suitable for underground, multi-level, indoor, or outdoor parking.
- **High Lifting Capacity:** Can safely lift vehicles of various sizes and support vertical transportation up to 3 levels.
- **Safe and Reliable:** Built with durable construction and equipped with safety features for secure operation.
- **Smooth and Easy Operation:** User-friendly controls ensure effortless lifting and positioning.
- **Easy Access:** Full access to the vehicle during maintenance, inspections, or repairs.
- **Durable Construction:** Designed to withstand frequent use with minimal maintenance.
- **Certified Quality:** Comes with EC type examination certificate ensuring compliance with safety standards.

