



UN_900 HYDRAULIC HOME LIFT WITH ALUMINIUM SHAFT

PLANNING DATA



Contents

1. Product Description 2

2. Technical Specifications 3

3. Safety Features..... 4

4. Attributes..... 4

5. Additional Options 4

6. Technical Designs..... 5

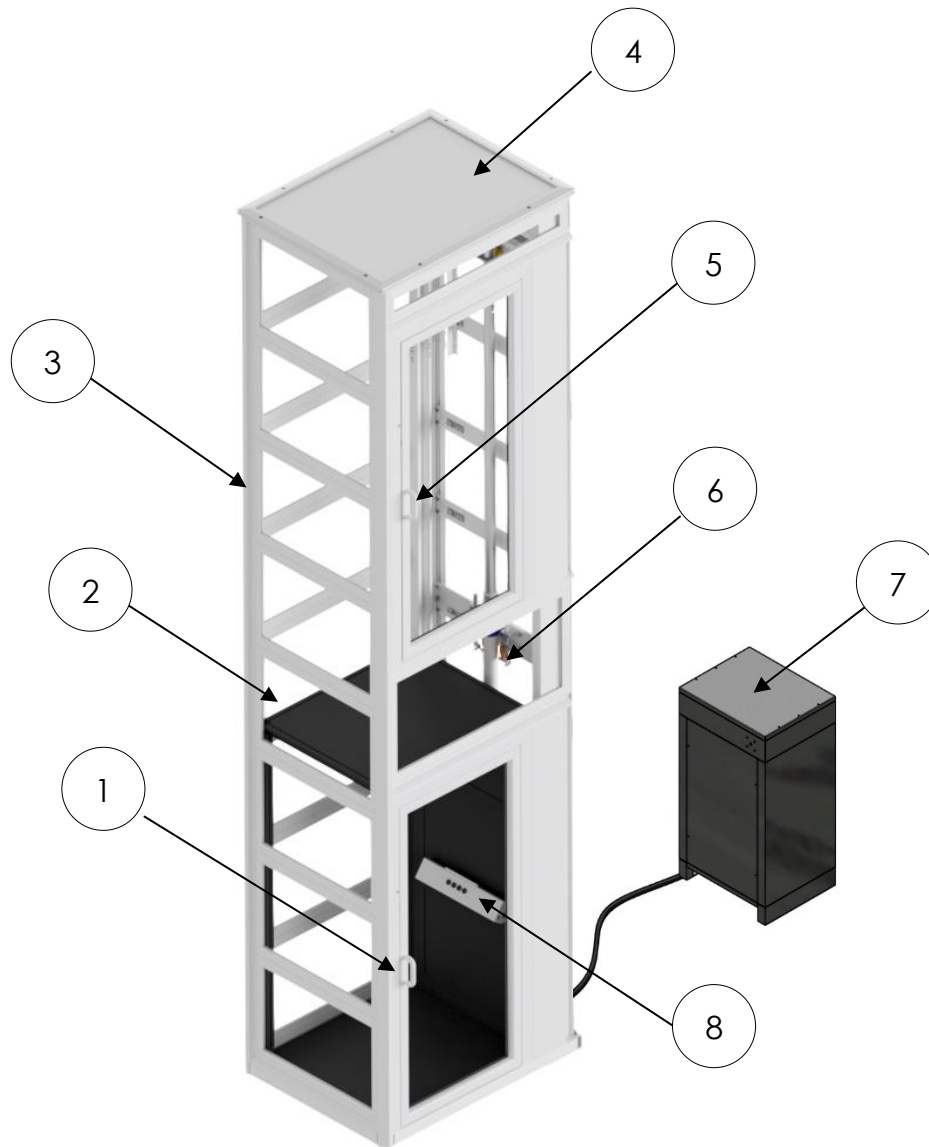
 6.1. Top View 5

 6.2 3D Representations 6

7. Control Panel & Hydraulic Unit 7

8. Cabinet for the Control Panel & Hydraulic Unit..... 8

1. Product Description



Description

1. Door Height 2000mm – Bottom Stop
2. Cabin - Height 2000mm
3. Aluminium shaft with panels
4. Roof
5. Door Height 2000mm – Top Stop
6. Hydraulic Cylinder
7. Cabinet
8. Cabin Operation Panel (COP)

2. Technical Specifications

Model	UN 900
Application / Location	Indoor/ Outdoor
Drive system	Hydraulic
Rated Load	420 kg
Stops	max. 4
Travel Height	max. 10000 mm
Pit depth	90 mm
Speed (max.)	0.12 m/s
Platform clear standard dimensions *	900 x 1300 mm / 1100 x 1300 mm / 1200 x 1600 mm / 1200 x 1700 mm
Shaft standard dimensions	1350 x 1400 mm / 1550 x 1400 mm / 1650 x 1700 mm / 1650 x 1800 mm
Doors	Single swing door (Left/Right) with standard height 2000 mm
Door configuration	Single entry, Open-Trough, Adjacent access (90°)
Motor	2 Hp / 220 V
Diameter of the hydraulic cylinder	Φ 70 x 80
Shaft	Aluminium frames with panels
Standard Finish	NEOKEM AMMOS 7040

*Customized dimensions are available upon request.

3. Safety Features

- * Overpressure valve
- * Battery operated evacuation system (power failure evacuation)
- * Hose break (in case of elastic tube fracture)
- * Alarm
- * Hold to run buttons
- * Electromechanical locks
- * Photocells at each access side

4. Attributes

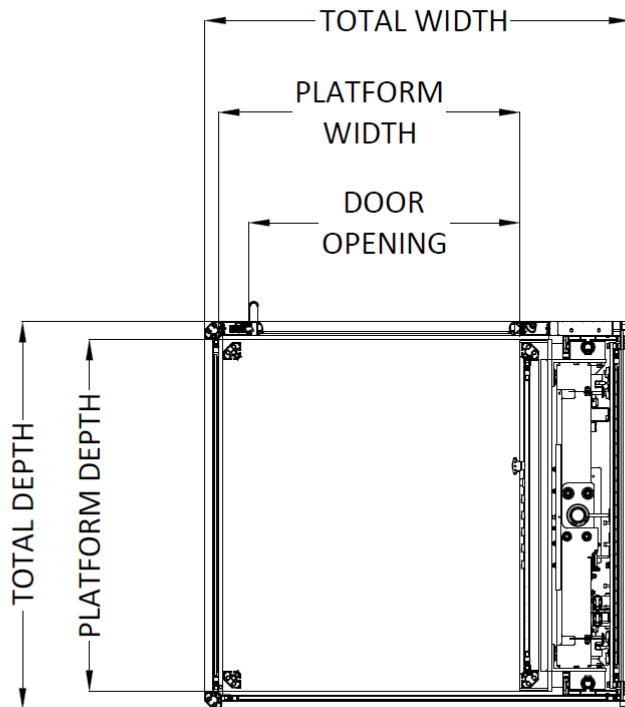
- * Anti – Slip floor
- * Lighting inside
- * Aluminium shaft
- * Triplex glass, Polycarbonate Sheets - Milky White or Blind panels
- * Low profile
- * Cabinet for the power unit and the control panel

5. Additional Options

- * Single swing gate with height 1100mm - on the top landing
- * Automatic doors
- * Colours can be customized to your taste

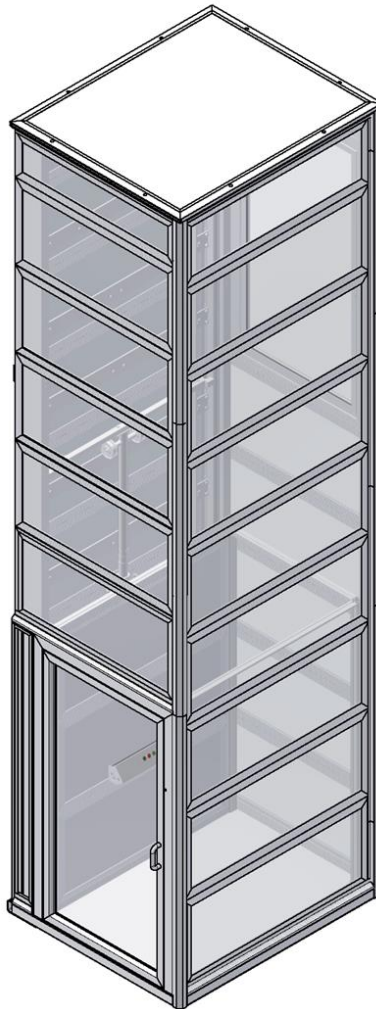
6. Technical Designs

6.1. Top View

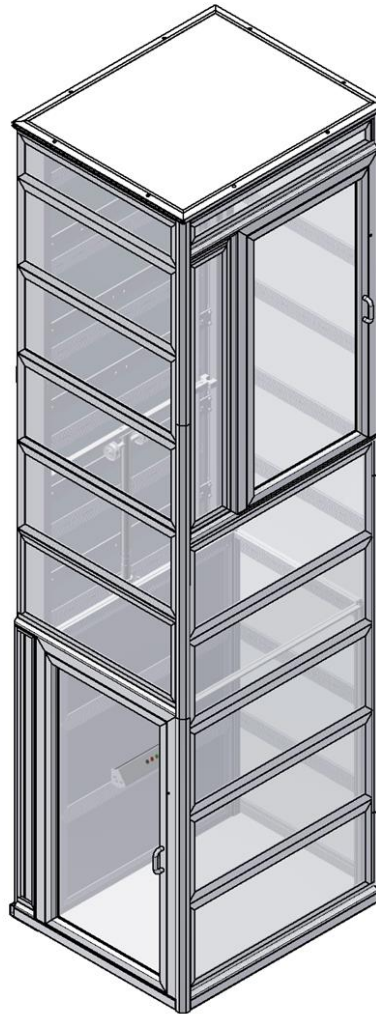


Type	Platform dimensions		Total Dimensions		Door
	Width	Depth	Width	Depth	Clear opening
A	900	1300	1350	1400	800
B	1100	1300	1550	1400	1000
C	1200	1600	1650	1700	1100
D	1200	1700	1650	1800	1100

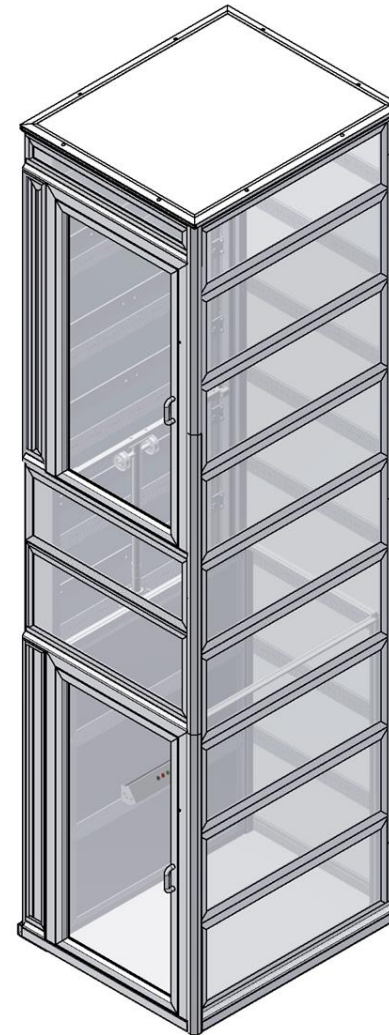
6.2 3D Representations



1 ENTRANCE - EXIT OPPOSITE SIDE



2 ENTRANCE - EXIT 90°



3 ENTRANCE – EXIT SAME SIDE

7. Control Panel & Hydraulic Unit

The control panel and the hydraulic unit are installed into a cabinet

Function: Manages the operation of the hydraulic system for precise and efficient control.

Control Panel

- Function: Includes a variety of electrical and electronic components that work together to operate, monitor, and protect the system.
- Components: It mainly includes main board, power supply, switches, relays, led lights for monitoring and push buttons.

Hydraulic Unit

- Function: Its main function is to generate, control, and supply hydraulic energy to drive the system.
- Components: It mainly consists of a motor, pump, tank, valves and filter that work together to generate and deliver hydraulic power.
- Control: Adjusts pressure, flow rate, and direction of the fluid as needed.
- Benefits: Improves system safety, ensures reliable and high-performance operation, and enables smooth, energy-efficient control of hydraulic processes.

The oil tank has a capacity of 30L and the max pressure is up to 80 - 120 bar.



8. Cabinet for the Control Panel & Hydraulic Unit

Space - Saving Design: Measuring 900mm in height, 450mm in width and 550mm in depth, this cabinet fits seamlessly into tight spaces, making it ideal for installations with limited room.

Durable Construction: Built with galvanized sheet metal panels and painted in RAL 7040, the cabinet offers corrosion and water resistance (IP54), ensuring long-term durability.

