



## Panoramic Air Lift

Models 933 and 1316



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## Panoramic Air Lifts

Installing a Panoramic Air Lift is the perfect solution almost anywhere; it is lightweight, requires minimal building works and is removable. The elevator does not require a pit or machine room and is available with an optional M2M remote maintenance system. These elevators help to eliminate architectural barriers giving the space a touch of style and distinction. Passengers travelling in the elevator can enjoy a full 360° panoramic view.

### 20 reasons to install it

- 1.** Ecological
- 2.** Energy Efficient
- 3.** Clean
- 4.** Freestanding
- 5.** No pit or ramp required
- 6.** No machine room
- 7.** Fast, simple and clean installation
- 8.** Removable
- 9.** In case of loss of power lift descends to bottom floor
- 10.** Its design allows unconventional uses.
- 11.** Totally 360° panoramic
- 12.** No cables, pulleys or pistons
- 13.** Descends by force of gravity
- 14.** Perfect floor levelling every time
- 15.** Low maintenance
- 16.** Lightweight
- 17.** Circular
- 18.** Low noise
- 19.** Can incorporate M2M remote maintenance system
- 20.** Certified as the safest lift in the world by the Dutch Lift Institute





## How the Panoramic Air Lift Operates: The Appliance of Air Science!

The Panoramic Air Lift is a lightweight aluminium and polycarbonate smooth surfaced cylindrical shaft with a cylindrical lift car inside. The lift car ceiling is surrounded by a hermetic seal which allows movement with minimal friction.

The elevator moves in the up direction by creating a slightly lower pressure in the top part of the shaft by the use of turbines, a 38 milli-bar difference in pressure is enough to let Mother Earth's own atmospheric pressure push the lift car up the shaft, this pressure difference is so slight that a bird could live quite happily in the top part of the shaft, a load weighing device efficiently regulates the turbines by feeding back load information via the elevator control panel.

The elevator moves in the down direction by means of a valve which controls the input of air into the top part of the shaft, which in turn regulates the speed of the lift car, again the load weighing device provides feedback via the elevator control panel.

At every floor level the landing doors have sealing strips which self seal by means of atmospheric pressure, the doors are also locked mechanically and electrically when the elevator moves away from the floor. When the lift car reaches the desired floor level it locks into place by means of mechanical anchorages which ensure exact floor levelling on every occasion. There is also an internal lift car door.

The lift car also has an emergency braking system (safety gear) which would operate in the extremely unlikely event of sudden increase of pressure in the shaft above the lift car.

## Optional colour chart



**Special colours:** Chrome, imitation of wood and brass



## Model 933 (UB 37)



### Standard colours



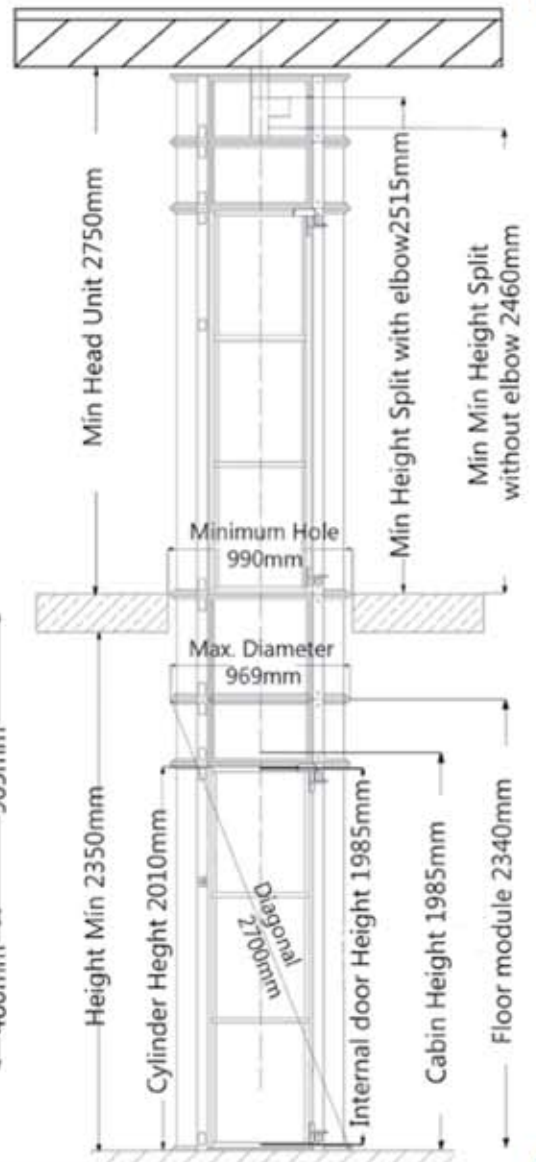
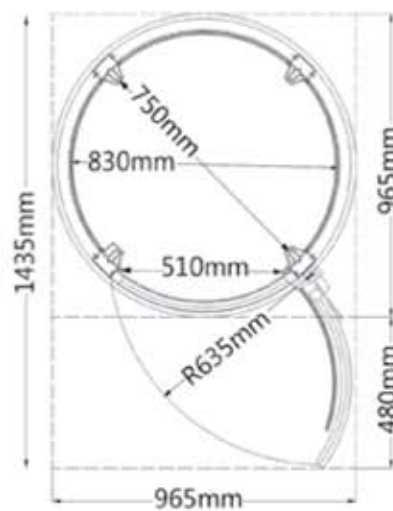
RAL 7024



RAL 9006



RAL 9016

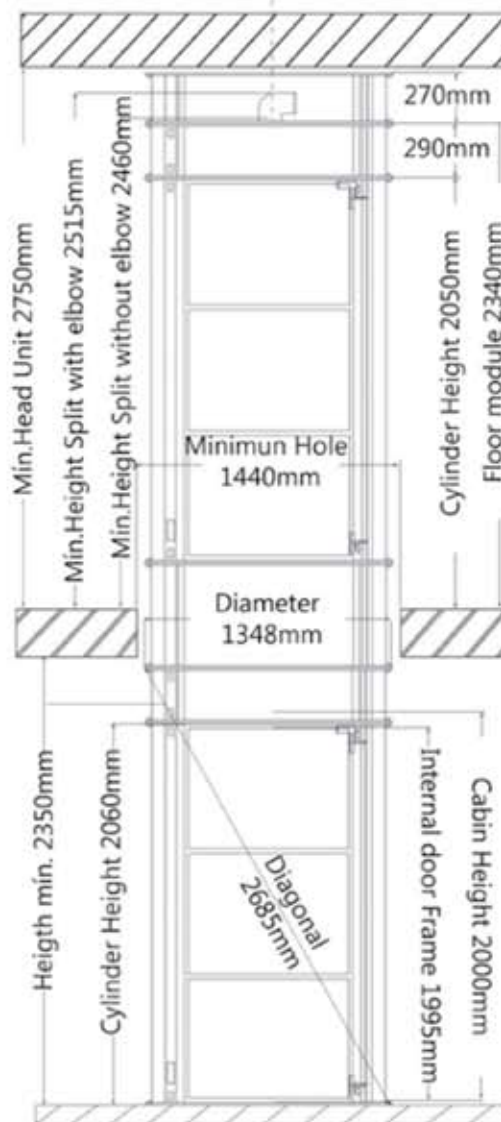
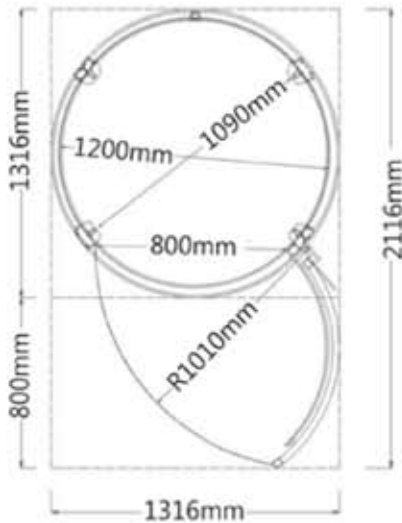


### Technical Data

Number of levels	2, 3 & 4 levels	Lift Capacity	205 kg
Colours	Aluminium (RAL 9006) White (RAL 9016) Bluish Gray (RAL 7024)	Maximum number of passengers	2
Aspiration System	Head Unit Split Unit	Cabin Equipment	Automatic lighting Ventilation Cabin telephone Overload relief valve
Power Supply	220 Volts 50 Hz.	Safety	Cabin electrical circuits: 24 Vcc Emergency alarm Automatic mechanical brake action Automatic descent in case of power supply fail
Electric Circuit	Control Stage: 24Vcc. Power Stage: 220 Vca	Cautions	Indoor usage only
Motor Power	4400-5400 W. (In ascent) 400 W. (In descent)	Conformities	Conformity declaration CE Directive 2006/42/EC on machinery Standard: pr EN 81-41 Electromagnetic Compatibility EN 55011
Maneuver Speed	9 m/min 15 cm/sec		
Dimensions	Elevator External diameter: 950 mm Module height: 2340 mm Cabin Internal cabin diameter: 820 mm Internal Height 1950 mm		
Weight (Empty)	Cabin: 120 kg Modules Upper floors: 95 kg Ground floors: 95 kg Intermediate: 40 kg		



## Model 1316 (UB 52)



### Standard colours



RAL 7024



RAL 7040



RAL 9016

### Technical Data

Number of levels	2, 3 & 4 levels	Lift Capacity	238 kg
Colours	Bluish Gray (RAL 7024) White (RAL 9016) Pearl Gray (RAL 7040)	Maximum number of passengers	3
Aspiration System	Head Unit Split Unit	Cabin Equipment	Automatic lighting Ventilation Cabin telephone Overload relief valve
Power Supply	220 Volts 50 Hz.	Safety	Cabin electrical circuits: 24 Vcc Emergency alarm Automatic mechanical brake action Automatic descent in case of power supply fail
Electric Circuit	Control Stage: 24Vcc. Power Stage: 220 Vca	Cautions	Indoor usage only
Motor Power	5400-6400 W. (In ascent) 400 W. (in descent)	Conformities	Conformity declaration CE Directive 2006/42/EC on machinery Standard: pr EN 81-41 Electromagnetic Compatibility EN 55011
Maneuver Speed	9 m/min 15 cm/seg		
Dimensions	Elevator External diameter: 1338 mm Module height: 2340 mm Cabin Internal cabin diameter: 1118 mm Internal Height 2005 mm		
Weight (Empty)	Cabin: 196 kg Modules Upper floors: 165 kg Ground floors: 165 kg Intermediate: 80 kg		

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