

Cabifit®

Traction lift with machinery contained in a cabinet at the side of the shaft

Lifts designed in compliance with CABIFIT model are characterized by the machinery (gearbox, control panel, panel with main and lighting switches) contained in a cabinet. They offer a very wide range of solutions, with various loads, dimensions, and car finishes, landing and car door type and dimensions.

①	②	③
Type of drive Traction	Type of drive Traction	Type of drive Traction
Rated load 1100 Kg max	Rated load 1600 Kg max	Rated load 1100 Kg max
Rated speed 1 m/s max	Rated speed 1 m/s max	Rated speed 1,6 m/s max
Travel 50 m max	Travel 40 m max	Travel 50 m max
Pit 1200 mm min	Pit 1500 mm min	Pit 1500 mm min
Headroom* 3700 mm min	Headroom* 3900 mm min	Headroom* 3900 mm min
No. of stops up to 24	No. of stops up to 24	No. of stops up to 24

* for 2200 mm max car height



Benefits

The machinery occupies an area of less than 0.4 m², instead of about 4 m² for the traditional machine room.

The cabinet height is 2 metres, which is the minimum height for the area where maintenance operations are carried out. It can be located at any landing. The cabinet dimensions are always the same, regardless of the installation features (load, speed and number of stops).

Gearbox and control panel components are very close together. This makes easier assembling, maintenance and rescue procedures.

Most of the lift load rests on the car and counterweight guides. Load bearing beams to fix onto the shaft walls are not required.

The frequency control system, provided by a high quality inverter, guarantees a high standard of ride comfort, reduced current consumption peaks and energy and money saving, as well as reduced mechanical stresses and temperature of the gear motor.

Safety

The cabinet can be opened only by a specific key. When it is open, it clearly indicates the area necessary for maintenance and rescue operations.

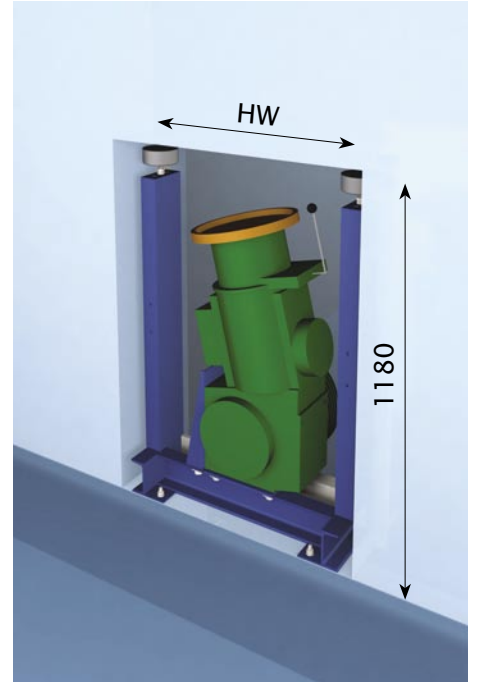
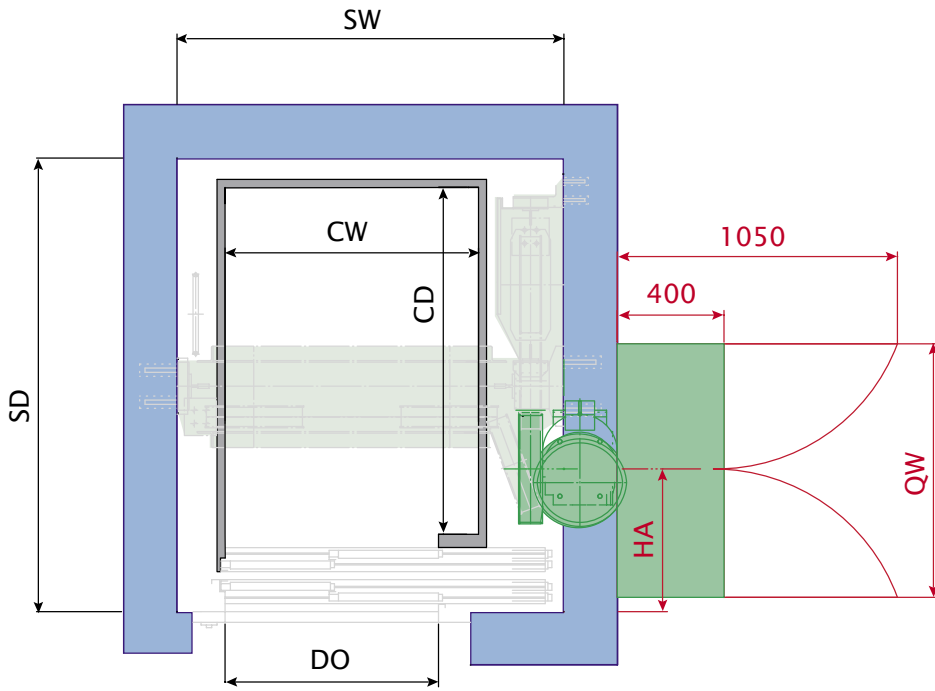
Compared to models with the machine in the upper part of the shaft, assembling and machine maintenance operations do not require access to the inside of the shaft and can be accomplished in a standing position (the gearbox is fixed to the floor and rests on a special frame, therefore its position is extremely stable).

Stopping devices for the car are not required during gearbox maintenance and it is not necessary to control the machine from the outside.

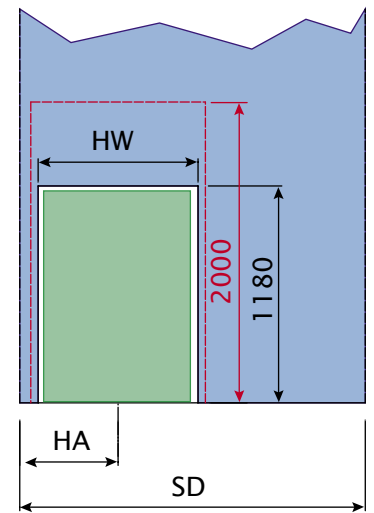
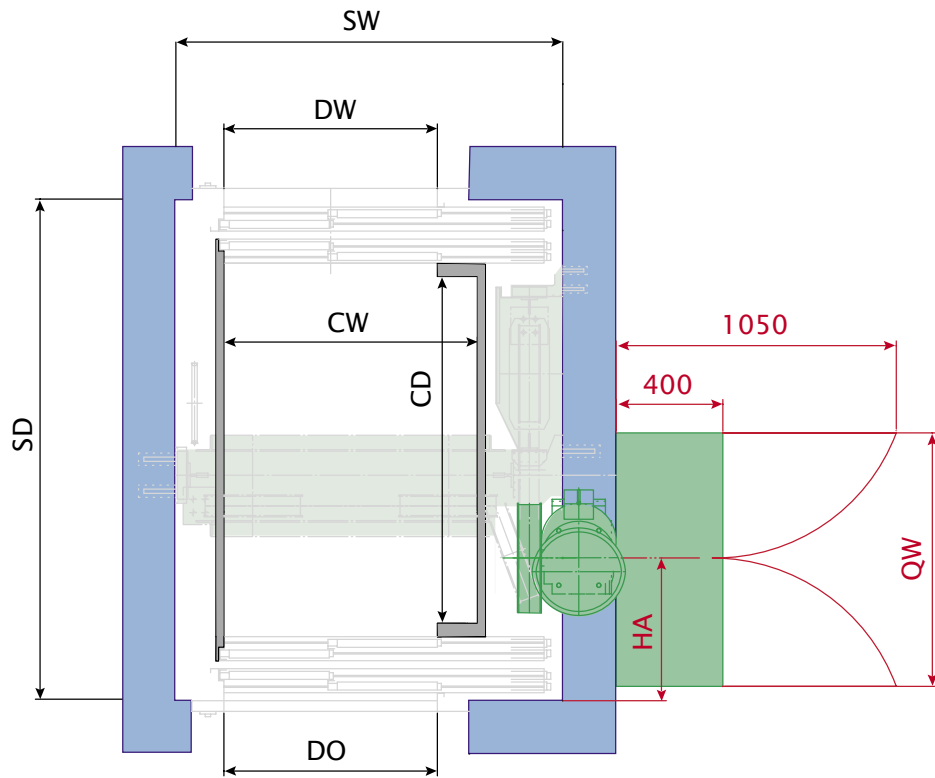
Comparing this model to those with the machine in the shaft headroom, maintenance operations can be carried out from the floor.

The rescue operations can be carried out by any trained person and these are always possible in any fault situation.

- masonry shaft
- machinery



Cabinet height: 2000 mm



Dimensions of hole in the wall for gearbox frame

Examples of car, door and shaft dimensions, in case of 2-panel telescopic doors

① - Speed 1 m/s - Load up to 1100 kg

Rated load [kg]	Car dimensions		Door opening	Shaft dimensions			Aperture axis		Hole width	Cabinet width
	Q (kg)	CW	CD	DO	SW	SD (1 entrance)	SD (2 entrances)	HA* (1 entrance)	HA* (2 entrances)	HW
480	950	1300	800	1450	1700	1880	535	535	870	950
630	1100	1400	800	1600	1800	1940	585	585	870	950
630	1100	1400	900	1600	1800	1940	585	585	870	950
850	1400	1400	900	1900	1850	1940	500	600	870	950
900	1400	1500	900	1900	1900	2040	550	600	870	950
1000	1100	2100	900	1600	2500	2640	1000	1000	870	950
1000	1400	1600	900	1900	2000	2140	610	610	870	950
1000	1600	1400	900	2100	1850	1940	500	600	870	950

② - Speed 1 m/s - Load up to 1600 kg

Rated load [kg]	Car dimensions		Door opening	Shaft dimensions			Aperture axis		Hole width	Cabinet width
	Q (kg)	CW	CD	DO	SW	SD (1 entrance)	SD (2 entrances)	HA* (1 entrance)	HA* (2 entrances)	HW
1600	1400	2400	1100	2050	2800	2940	1050	1050	970	1050

③ - Speed 1.6 m/s - Load up to 1100 kg

Rated load [kg]	Car dimensions		Door opening	Shaft dimensions			Aperture axis		Hole width	Cabinet width
	Q (kg)	CW	CD	DO	SW	SD (1 entrance)	SD (2 entrances)	HA* (1 entrance)	HA* (2 entrances)	HW
630	1100	1400	800	1650	1800	1940	635	615	970	1050
630	1100	1400	900	1650	1800	1980	635	635	970	1050
850	1400	1400	900	1950	1900	1940	550	590	970	1050
900	1400	1500	900	1950	1950	2040	550	590	970	1050
1000	1100	2100	900	1650	2500	2640	1000	1000	970	1050
1000	1400	1600	900	1950	2000	2140	590	590	970	1050
1000	1600	1400	900	2150	1900	1940	550	590	970	1050

* The hole position is also affected by protruding and/or embedded doors. Contact IGV for confirmation.