

Hydraulic lift with machinery in a cabinet

The IDROFIT model machinery (power unit, controller, main and light switches) is contained in its relevant cabinet.

The lift complies with harmonised Standard EN81-2:1998.

Type of drive
Hydraulic

Rated load
up to 2000 Kg

Travel
up to 21,5 m

No. of stops
up to 9

Pit
according to load

Headroom
according to car height

Rated speed
0.63 m/s max



Benefits

The machinery occupies 0.5 m² (width 950 mm, depth 550 mm), compared to about 3 m² required by a traditional machine room (for example width 1500mm, depth 2000mm).

All the components such as the main and light switches, thermostat detecting the temperature of the area and lamps, are now placed inside a cabinet, 2 m high (minimum height to allow maintenance operations).

Power unit and controller are very compact, making installation, maintenance operations and emergency rescue easier.

The cabinet dimensions remain the same, regardless of the machine features (load, speed, number of floors): it can be installed close to the shaft up to 15÷20 metres from the lift (depending on the hydraulic piping run).

Safety

When the cabinet is open, with a specific key, the space necessary for maintenance and rescue operations is indicated.

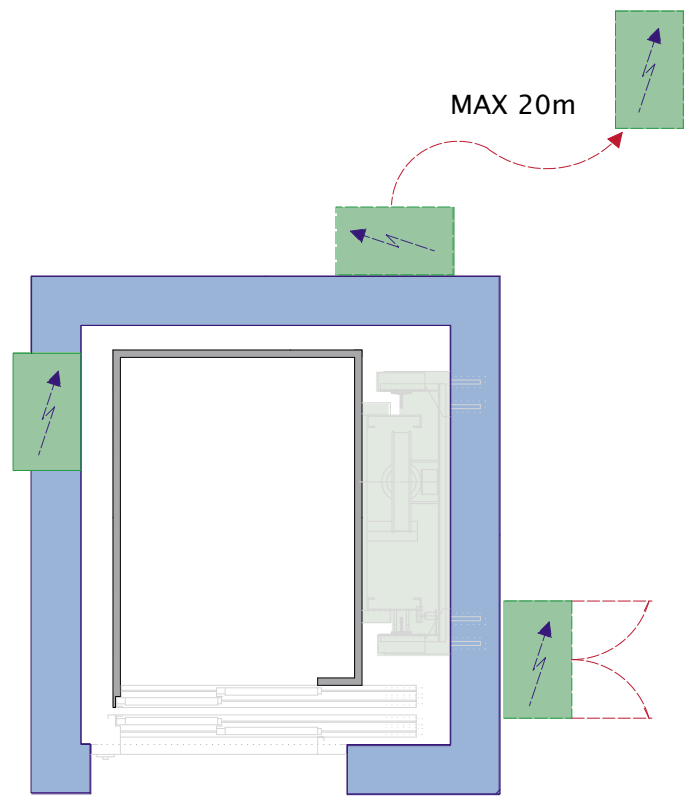
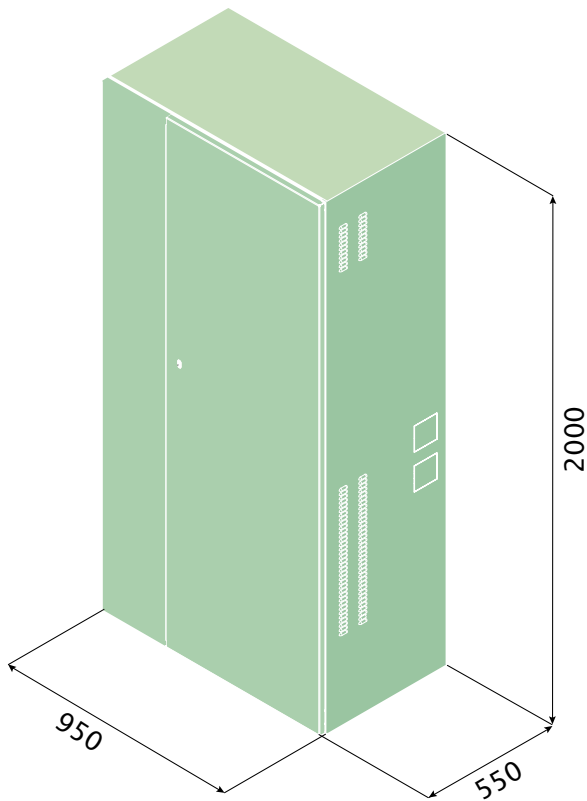
The maintenance operations of the machinery do not require to access the shaft, as required by lifts with the machinery unit in the pit.

If the shaft is not fire protected, or particular fire-fighting features are not required, the cabinet can be located partially or totally inside the wall, thus reducing the depth required.

Certified models cover the most flexible range of products on the market in terms of capacity, machinery size and finishes, landing and car door size and type.

Machinery installation is almost the same as for a traditional lift.

- masonry shaft
- machinery



Type of drive	Hydraulic: indirect acting at side jack 2:1 side direct acting jack centre direct acting jack
Rated load and speed	up to 900 kg with max. speed 0.63 m/s up to 1000 kg with max. speed 0.50 m/s up to 1500 kg with max. speed 0.30 m/s up to 2000 kg with max. speed 0.25 m/s
Number of stops	max. 9
Travel	max. 21.5 (function of rated load and static load of the lift)
Number of car entrances	max. 3
Car	max. dimensions compatible with the shaft dimensions
Landing and car doors opening	max. dimensions compatible with the car and shaft dimensions
Landing doors	automatic horizontal sliding doors manual swing doors automatic folding doors
Car doors	automatic horizontal sliding doors automatic folding doors
Shaft	masonry steel shaft
Jack type	standard single-stage telescopic (2 or 3 stages)

The range of solutions is very flexible. Contact IGV technical department even for specific solutions.