

IDROFIT®

Hydraulic lift with machinery in a cabinet

Main features

The machinery (power unit, controller, main and light switches) is contained in a proper cabinet.

For the other aspects the lift complies with harmonised Standard EN81-2:1998.



Major points

The machinery occupies 0,5 m² (width 950 mm, depth 550 mm), compared to the 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.

Safety

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

Machinery installation is similar to that for a traditional lift.

Type of drive

Hydraulic

Rated load

up to 2000 kg

Travel

up to 21.5 m

Number of floors served

up to 8

Rated speed

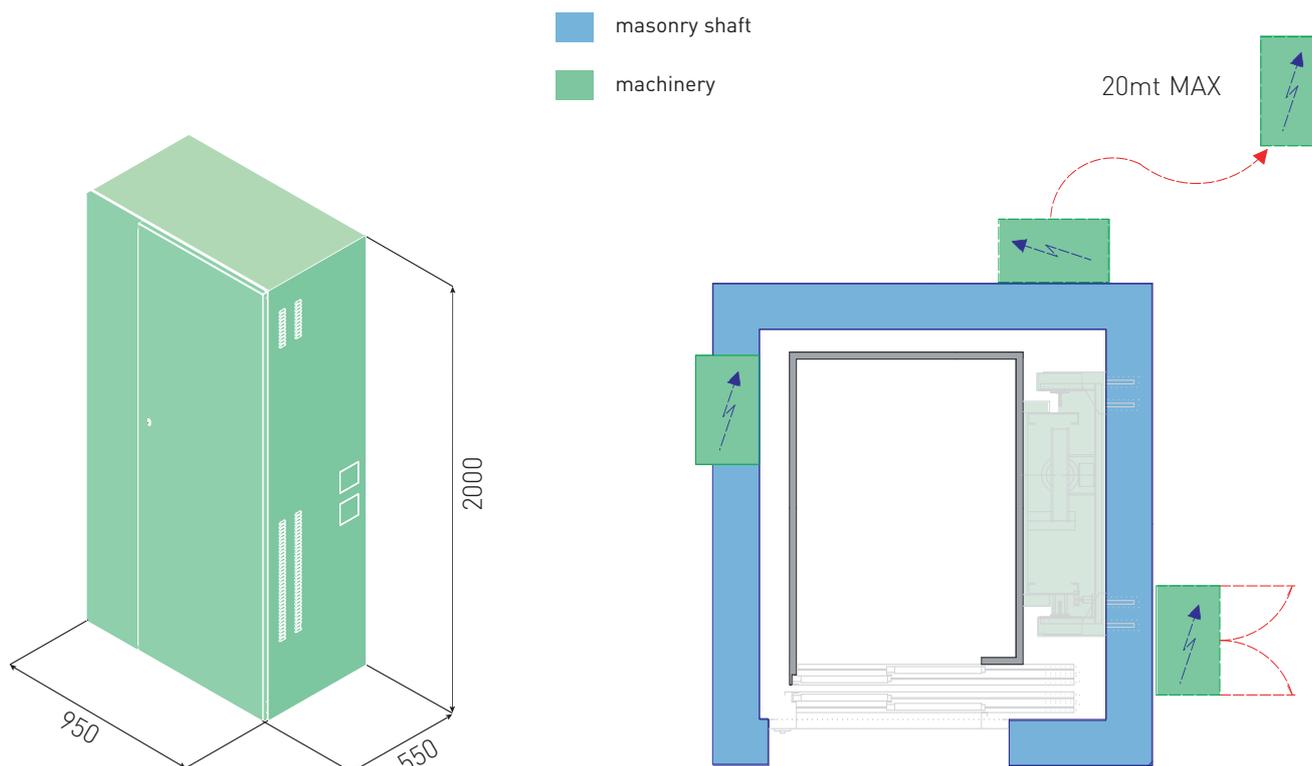
max. 0.63 m/s

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

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

The maintenance operations of the machinery do not require access inside the shaft, as lifts with the machinery unit in the pit would require.



Type of drive	Hydraulic: indirect acting at side jack 2:1 direct acting at side jack direct acting below 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. 8
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