



DALDOSS
PASSENGER & GOODS LIFTS

Levelfreight

Goods attendant lift

Cargo Division

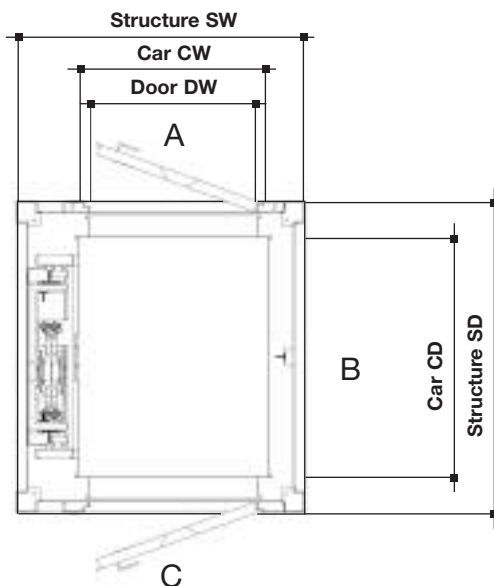
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MODEL SPECIFICATIONS

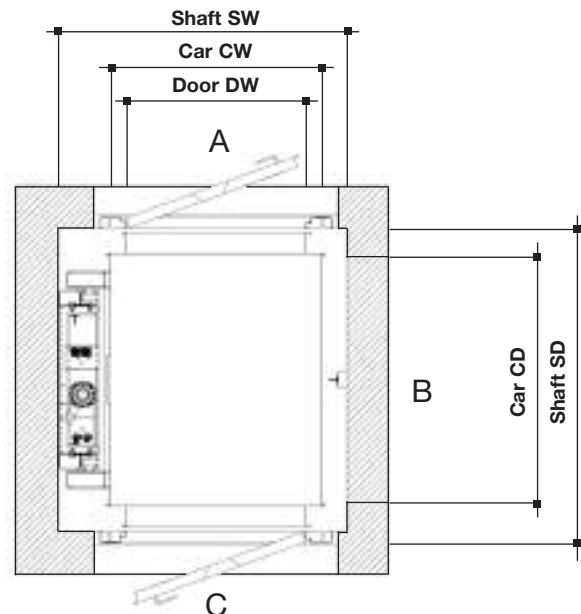
| Models | Door entrance position | Rated load | Maximum travel | Minimum pit | Car dimensions | | Door width | Shaft dimensions (in mm) | | | |
|----------------|------------------------|------------|----------------|-------------|----------------|------|----------------|--------------------------|------|-----------------------|------|
| | | | | | Height 2100 mm | | Height 2000 mm | Wall mounted * | | Structure supported * | |
| | | | | | CW | CD | DW | SW | SD | SW | SD |
| Max dimensions | A or C | 500 | 12800 | 150 | 1000 | 1400 | 900 | 1375 | 1590 | 1475 | 1690 |
| | AC | 500 | | | 1000 | 1400 | 900 | 1375 | 1640 | 1475 | 1740 |

* TOLERANCES = -0 / $+50$ mm; SHAFT MUST BE PERFECTLY PLUMB.

STRUCTURE SUPPORTED FRAME



WALL MOUNTED



Technical Specifications



Certification
UNI-EN ISO 9001
N. 9102 DALD

Code: GB8 P107
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Page: 1

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GENERAL TECHNICAL FEATURES

REFERENCE REGULATIONS

- Machinery Directive 98/37/EC
- Electromagnetic Compatibility 89/336/EC

Installation

Suitable either for indoor or outdoor installations (to provide suitable protections).

Type of traction

Hydraulic indirect 2:1.

Pump unit with external motor and oil bathed pump, down speed control valve, pipe rupture valve, non-return valve, pressure valve, maximum pressure limit switch, hand pump, motor thermal protection, oil pipe 1/2", 25 litres for travel height up to 3.9 m, 40 litres for travel height more than 3.9 m.

Dimensions for pre-assembled control panel and pump unit 25 Litres = 460 x 370 x H 1310.

Dimensions for pre-assembled control panel and pump unit 40 Litres = 700 x 370 x H 1310.

3 meters flexible pipe.

Maximum distance between pump unit and piston: 10 m.

Oil heater for low temperatures (optional).

Machine room cabinet (optional) 25 Litres = 450 x 550 x H 1370.

Machine room cabinet (optional) 40 Litres = 450 x 800 x H 1370.

Speed

0.10 m/sec.

Power supply

220 V - 1 phase - 50 Hz; 380/415 V - 3 phase - 50 Hz.

Operation

Constant pressure push buttons, electro-mechanical controller, stop switches, safety overtravel for diverting pulley frame, anti-creep levelling at each floor with doors open or closed. Operation for 2 stops with by-pass of the safety circuit (without retiring cam).

Operation for more than 2 stops: with retiring cam.

Drive and control circuits at 24 Vdc.

Emergency rescue device in case of power failure at 24 Vdc (with constant pressure push button operation).

Controller in closed cabinet (dimension 460 x 160 x H 600).

Closed cabinet for controller and pump unit (optional).

Flat car operation panel, wall mounted on the side of the third guide, dark grey skinplate

Send push buttons - Braille marked (optional) - By constant pressure push button control.

Acoustic alarm button with emergency battery.

Key switch for push buttons activation.

Red stop button.

Intercom and telephone (optional).

Landing push button station on stainless steel faceplate

Call push buttons - By constant pressure push button control - Braille marked (optional).

Lift "in use" indicator.

Call push button - Constant pressure type.

Key switch for push buttons activation.

Mechanical safety devices

Instantaneous roller safety gear.

N. 3 traction ropes \varnothing 8 mm (depending on models), with weight compensating system for the distribution of load.

External triangular emergency release key.

Pit prop (for safety during maintenance) located in pit.

Electrical safety devices

Overtravel limit switches.

Slack rope contact.

Anti-creep levelling for slow descent of the car.

Overload detection device.

Shaft

Fixed to bearing wall (standard) or with structure supported frame (optional). Structure for indoor or outdoor application, grey baked finish RAL 7038 (pearl grey), bolt fixing type. Shaft enclosure panels (optional) in painted steel (from our list).

The shaft wall must be plumb and smooth, with protuberances of less than 1.5 mm (right angle) and less than 5 mm (chamfered angle).

The structure supported frame complies with EN 81 standards and norms.

The shaft illumination (minimum 2 spotlights, one at 500 mm from the pit and one at 500 mm from the headroom) and stop buttons in the pit are **not supplied as standard**.

Car

Finished in baked enamel RAL 7038 (pearl grey), ceiling with neon lighting and skin plate panel, standard height 2.1 m.

Car floor with black anti-slip rubber flooring.

Timer controlled car lighting by neon lighting, also in emergency case.

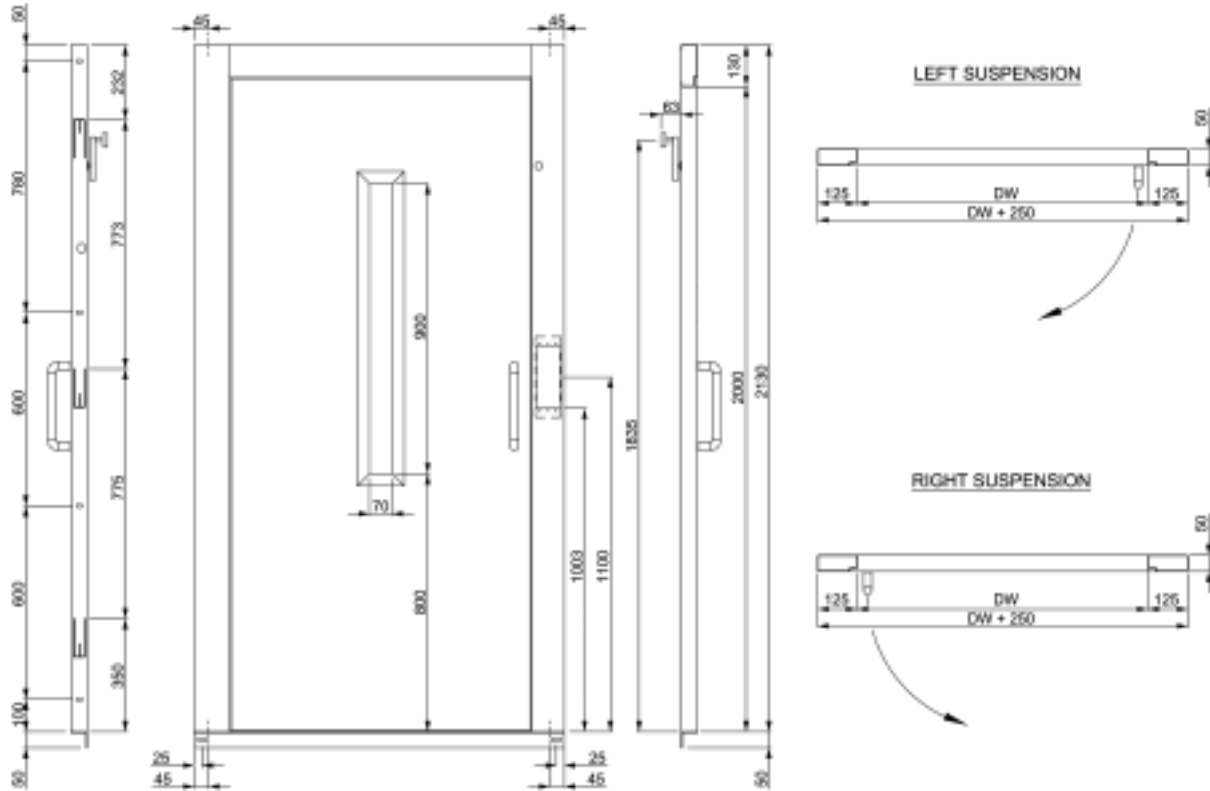
Full height photocell on each entrance.

Shaft inspection from inside car.

GENERAL TECHNICAL FEATURES

Landing doors

Single swing hinged type (specify if left or right suspension), in baked enamel RAL 7038 (pearl grey) - with window (70x900 mm) or blind.
 Double contact door lock complying with EN 81.
 Safety contact with striker.
 Hydraulic braking buffer.
 Door automation with remote controller (optional) or with push button (hold-to-run type) (optional).
 REI 60 type, REI 120 type, finishes in stainless steel or in other RAL colours (optional).



Electrical connections

Pre-wired connections for landing stations.
 Pre-wired travelling cable and car connections.
 Cabinet with magnetothermics for power supply and light (optional).
Not included in the supply. Power line to the controller with wires of 4 mm² section (including GND), with main switch of nominal current 16 A and sensitivity 0.3 mA.

Policy of development

Levelfreight undergoes continuous development. We reserve the right to alter specifications and dimensions without prior notice.

TECHNICAL FEATURES FOR ALL MODELS

| | |
|--------------------------|--------------------------------------|
| Rated load | 500 kg |
| Maximum suspended weight | 853 kg |
| Nominal speed | 0.10 m/sec |
| Pump unit | 15 l/m (1 phase) - 30 l/m (3 phases) |
| Piston | ø 80 mm |
| Maximum No. of stops | No. 5 |
| Maximum travel | 12800 mm |
| Minimum pit | 150 mm |
| Minimum headroom | 2450 mm |

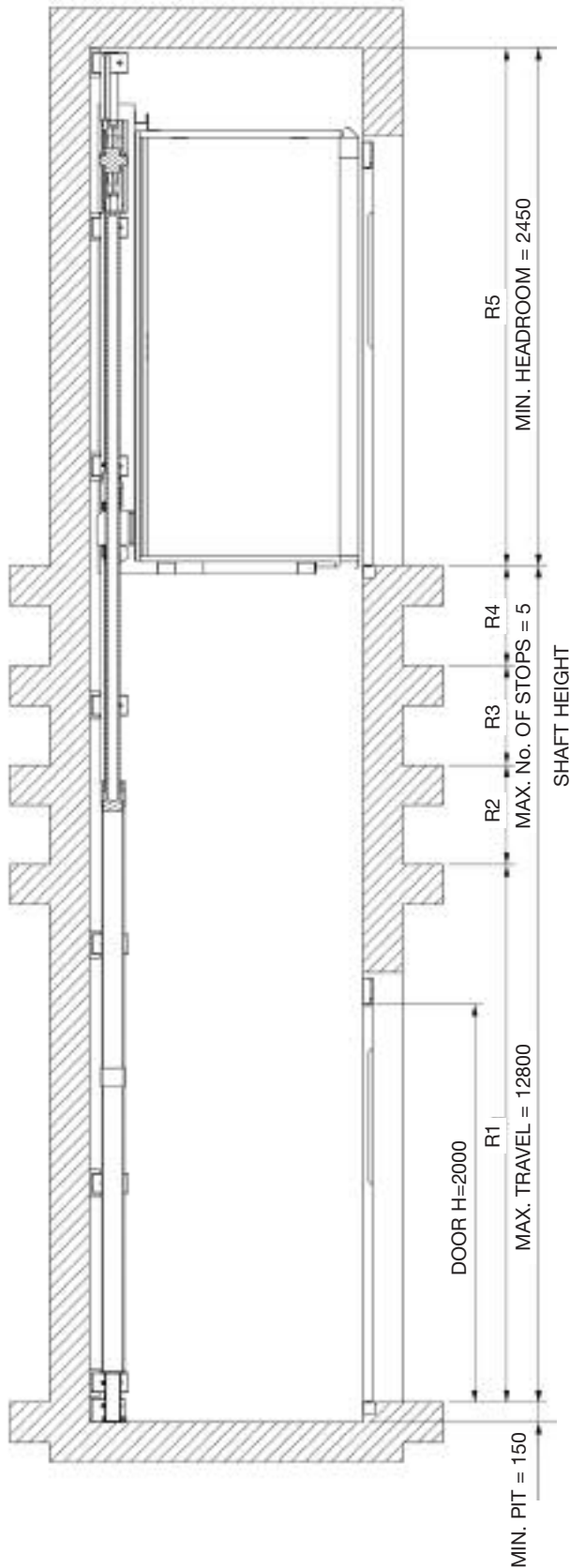
MAIN TRACTION PARAMETERS

| Number of pulleys | No. of grooves per pulley | Number of ropes | Diameter of ropes in mm |
|-------------------|---------------------------|-----------------|-------------------------|
| 1 | 4 | 3 | 8 |

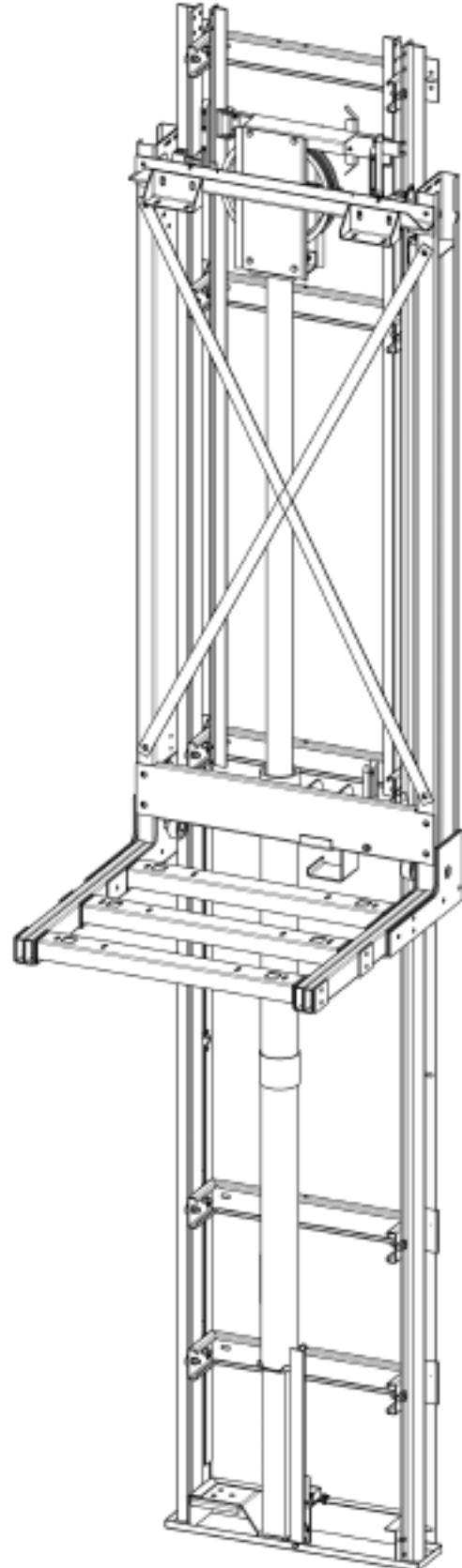
VOLTAGE AND POWER SUPPLY TABLES

| Motor V | No. of phases | Power input | | | Power consumption | |
|------------|---------------|-------------|----|------|-------------------|----|
| | | kW | Hp | A | kW | Hp |
| 220 | 1 | 1.5 | 2 | 10 | 3 | 4 |
| 400 | 3 | 1.5 | 2 | 3.70 | 3 | 4 |

Levelfreight
Vertical section (in mm)



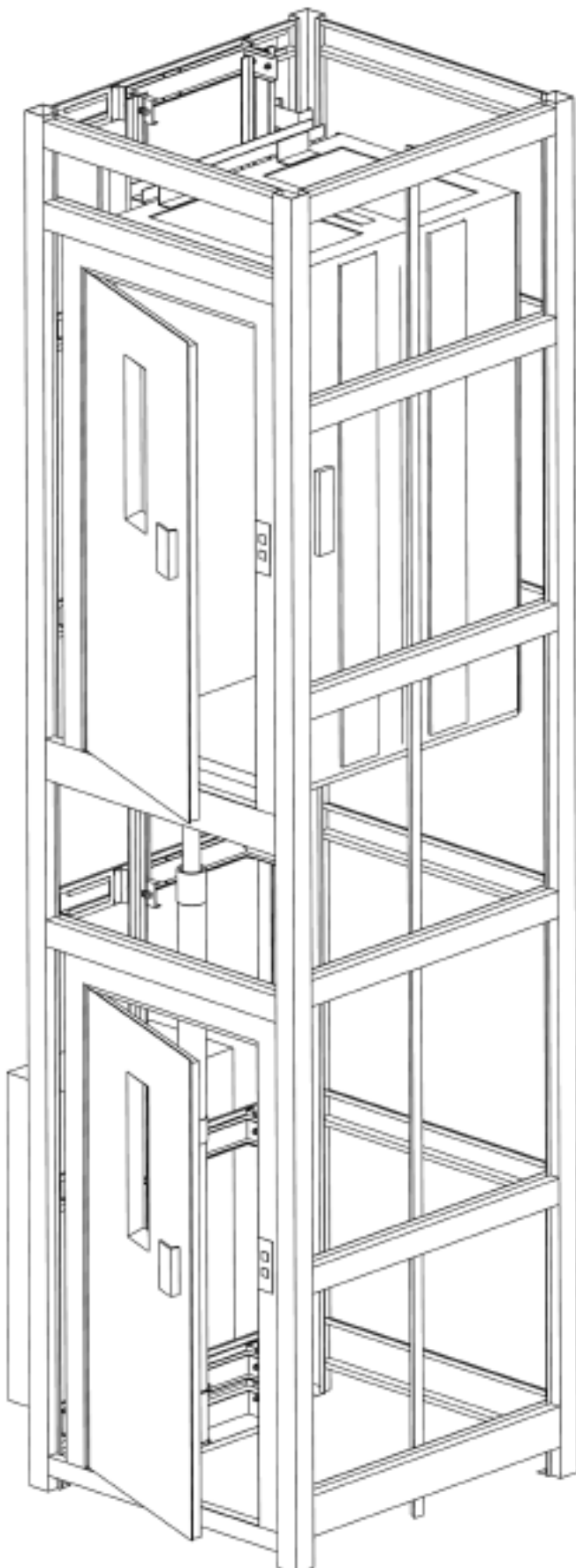
Levelfreight
Car frame and mechanical aggregate



GENERAL TECHNICAL FEATURES

**Configuration
with structure supported frame**

Car

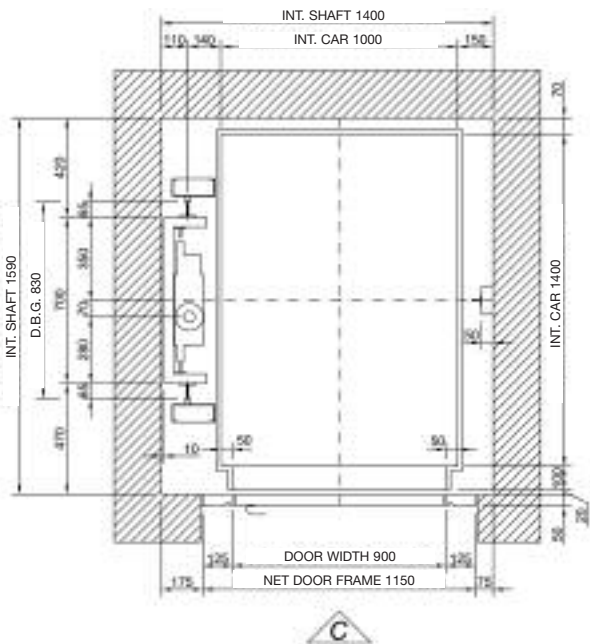
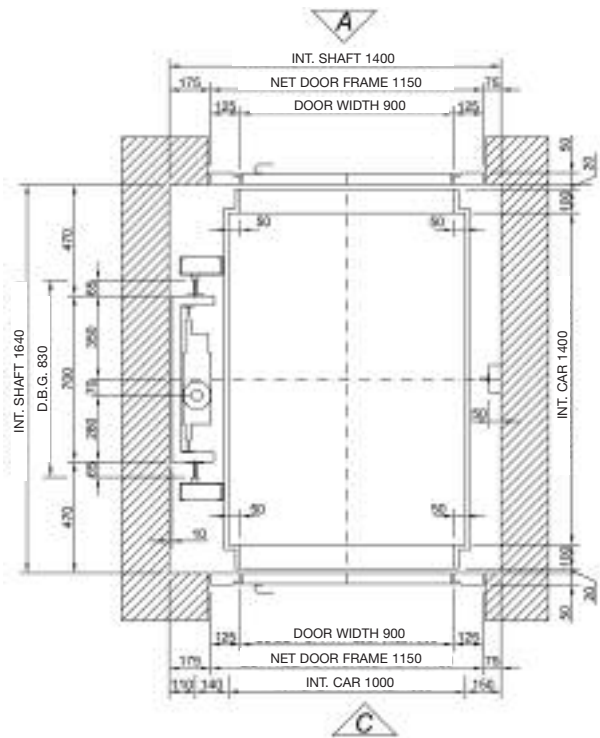
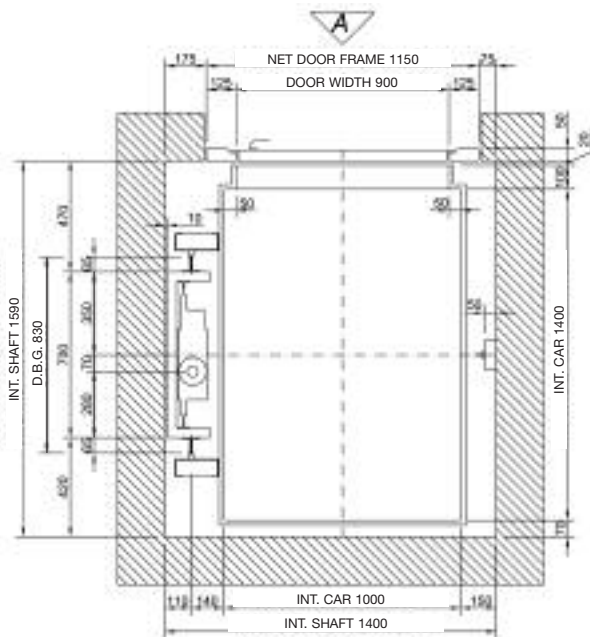


Car and landing push button stations



Wall mounted

Rated load **500 kg**
Capacity **Goods with attendant**



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