



Easy movement
in tranquillity,
independence at
any level.
Improved comfort and
prestige of homes,
offices and public

dhomeLift

The Private Elevator in enclosed Liftway



DhomeLift

Design and technology serving your independence

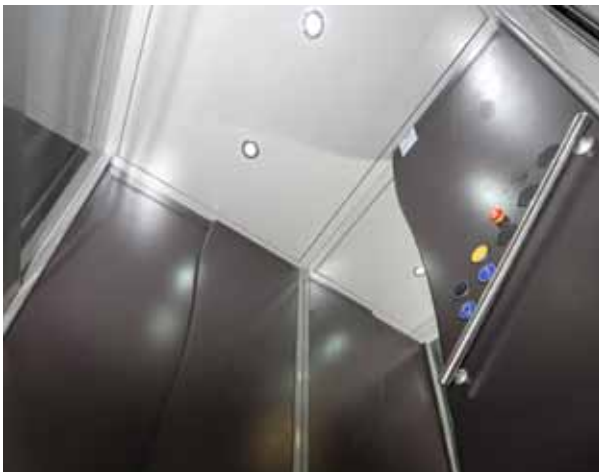
DhomeLift private elevator adapts and inserts itself easily into the environment without disrupting the architectural structure, thanks to its reduced encumbrance and customised finishing and decoration, as well as by not needing a machine room.

Available for installation in an enclosed masonry shaft, or fitted with an independent metallic shaft. DhomeLift private elevator is suitable both for interior and exterior.

The reduced pit allows installations even starting from an intermediate floor, the pit could be omitted by creating a small access step. The requested top headroom does not exceed the door height, allowing the lift to reach mansard rooms or top floors where the available free space is limited.

DhomeLift private elevator can serve several different premises in the same building still guaranteeing privacy and safety by installing dedicated keys on the push button panels as well as on landing doors.

Available in two types of standard finishing, DhomeLift private elevator the cabin, landing doors and structure can be customised to suit the client taste.



EC CONFORMITY TO EUROPEAN STANDARDS

- .Machinery Directive 2006/42/EC
- .E.M.C. Directive 2004/108/EC
- .Safety requirement for Platform Lift EN 81-41 Standard

| Technical Data | MOD TL110 |
|--------------------------------|-------------------------|
| Number of Stops/Max. Travel | 5 S / 13 m |
| Min. Pit Depth | 140 mm |
| Min. Headroom (Masonry shaft) | 2150 mm |
| Min. Headroom (Metallic shaft) | 2215 mm |
| Max Rated Load | 400 kg |
| Min. Cabin Dimensions | 850x750 mm |
| Max. Cabin Dimensions | 1400x1200 mm |
| Max Speed | 9 m/min (0,15 m/sec) |
| Max Power Consumption | 1,1 kW |
| Power Supply | 230 V Monophasic |

The characteristics of the installation are binding on the feasibility and lift type

PRODUCT VERSIONS:

Masonry Shaft



Independent Metallic structure



Useful Information

Basic Equipment DhomeLift Model TL110

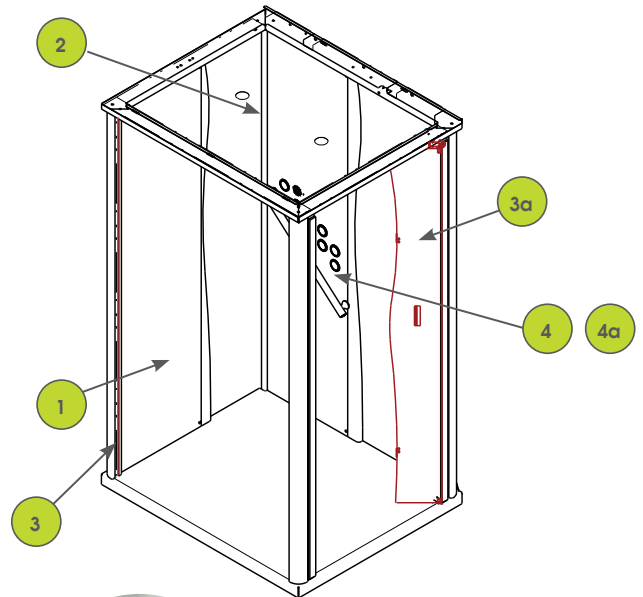
- Pre-painted metal cabin walls and upper ceiling
- Safety light curtain placed on the open sides of the cabin (no cabin doors)
- Platform floor coated in anti-slip rubber carpet
- Possible access from 3 sides
- Timed internal lighting
- Push buttons requesting constant pressure on the cabin control panel, automatic one touch system on the call buttons at landings
- Intercom system device for communication from the cabin
- Manually opening single wing landing doors, with central glazed window
- Smooth start and stop system
- UPS (uninterrupted power supply) by buffer battery to end the travel of the cabin in case of cut off of electrical power
- Manual emergency lowering operation device
- Overload control device with warning signal
- Levelling device at landings +/-20mm
- Maintenance blocking devices at pit bottom and headroom
- Standard environmental service conditions: -10°C/+40°C. for internal and external environments (not in severe and extreme conditions)
- Braille indication on push-buttons

DhomeLift Optional

- Fully enclosed cabin
- Universal operation with automatic One-touch control system from the cabin and at landing levels (available only with fully enclosed cabin)
- Landing doors with panoramic, double, large or small window
- Motorised door opener
- Key locks for landing doors
- Customisable cabin finishing
- Voice or sound arrival announcement
- Key activation on push button controls
- Independent metallic shaft with different solutions of finishing and top roofs
- Load distribution pit frame (pit depth min. 200 mm)
- Metallic shaft suitable for seismic zones or environments subject to high wind or snow loads



cabin



Lighting



Push button control panel

Standard Cabin Features

1) Fixed walls

Customisable linear rounded off Modular panels combinable either in glass or mirror.

2) Ceiling

Upper ceiling equipped with spot lighting.

3) No cabin doors

Hidden Infrared light curtain device. The interruption of the ray disables the movement of the lift. Installed on all cabin free sides of access.

4) Push button control panel

Constant pressure control system: the activation and continuation of the functioning comes about by constant pressure of the button; the releasing of the button will immediately stops the functioning of the lift. Alarm button control connected to an external ringing system.

Emergency stop by resettable mushroom push button.

Fully Enclosed Cabin Features

1) Fixed walls

Customisable linear rounded off Modular panels combinable either in glass or mirror.

2) Ceiling

Upper ceiling equipped with lighting.

3a) Fully enclosed cabin

Doors are installed on the cabin sides which correspond to the landing access. The closure of the door activates the push button controls panel of the cabin.

4a) Push button control panel

One-touch control system or automatic type. The functioning comes about by a single pressure of the control button, which can be immediately released. The activated function continues until the lift comes to a complete stop at the selected landing. Alarm button connected to an external ringing system. Emergency stop by resettable mushroom push button.

Floor Level Doors



Standard Door



Panoramic Door

Landing doors

Doors are installed at each landing floor. The closure and lock engagement of the door allows the functioning of the lift.

The doors are wing type: Single or double wing.

Semi-automatic landing doors

The door opening manually fitted with a holding system in the maximum opening position at 90°. A closing spring return device helps the closing action. ATRM Door Closure technology guarantees that a minimum effort is required for opening and a constant closing speed is kept.

Motorised door opener.

The opening of the doors come about automatically, the closure also come about in the same automatic manner with a preset timer. Electrical motorisation by ATRE Door opening technology.

Locking System

All landing doors are fitted with an electro-mechanical locking device that functions by blocking the opening of the door and allowing the movement of the cabin only when the door is fully closed and locked.

Window

Full-length glazed window available in standard tonalities, smoked and transparent, or upon request. The window is available in different dimensions and typologies, standard (long) or panoramic (wide).

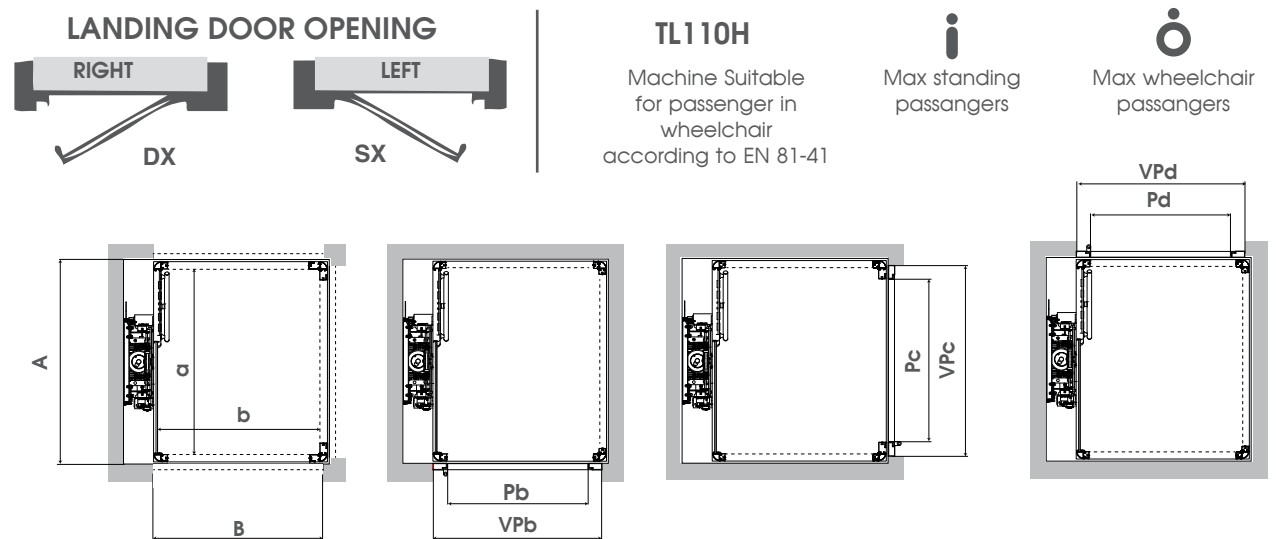
Masonry Shaft



Chart of standard solutions

| MODEL | | CABIN | NET CABIN DIMENSION | | SHAFT INTERNAL DIMENSIONS* | | NET DOOR OPENING | | |
|-------|--------|--------|---------------------|------|----------------------------|------|------------------|--------|--------|
| TL110 | TL110H | cod. | a | b | A | B | Pb max | Pc max | Pd max |
| iii | | 80110 | 800 | 1100 | 950 | 1460 | 1000 | 700 | 1000 |
| iii | | 80125 | 800 | 1250 | 950 | 1610 | 1150 | 700 | 1150 |
| iii | | 9090 | 900 | 900 | 1050 | 1260 | 800 | 800 | 800 |
| iii | | 90110 | 900 | 1100 | 1050 | 1460 | 1000 | 800 | 1000 |
| iii | iii\o | 90125 | 900 | 1250 | 1050 | 1610 | 1150 | 800 | 1150 |
| iii | | 11080 | 1100 | 800 | 1250 | 1160 | 700 | 1000 | 700 |
| iii | | 11090 | 1100 | 900 | 1250 | 1260 | 800 | 1000 | 800 |
| iii | | 110110 | 1100 | 1100 | 1250 | 1460 | 1000 | 1000 | 1000 |
| iii | iii\o | 110125 | 1100 | 1250 | 1250 | 1610 | 1150 | 1000 | 1150 |
| iii | | 12580 | 1250 | 800 | 1400 | 1160 | 700 | 1150 | 700 |
| iii | iii\o | 12590 | 1250 | 900 | 1400 | 1260 | 800 | 1150 | 800 |
| iii | iii\o | 125110 | 1250 | 1100 | 1400 | 1460 | 1000 | 1150 | 1000 |
| iii | iii\o | 125125 | 1250 | 1250 | 1400 | 1610 | 1150 | 1150 | 1150 |
| iii | iii\oi | 14090 | 1400 | 900 | 1550 | 1260 | 800 | 1200 | 800 |
| iii | iii\oi | 140110 | 1400 | 1100 | 1550 | 1460 | 1000 | 1200 | 1000 |

*The internal shaft dimensions are ment to be indicative and can change according to the access positioning and cabin finishing



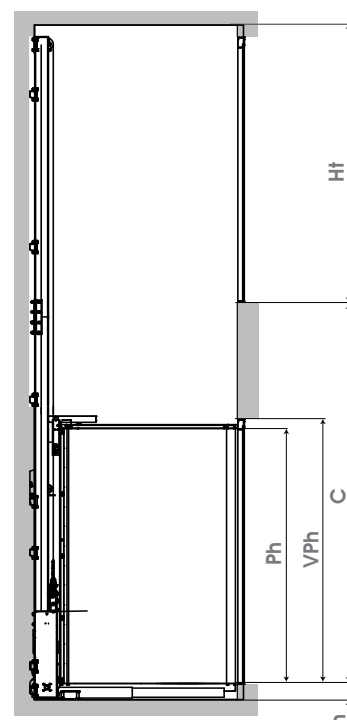
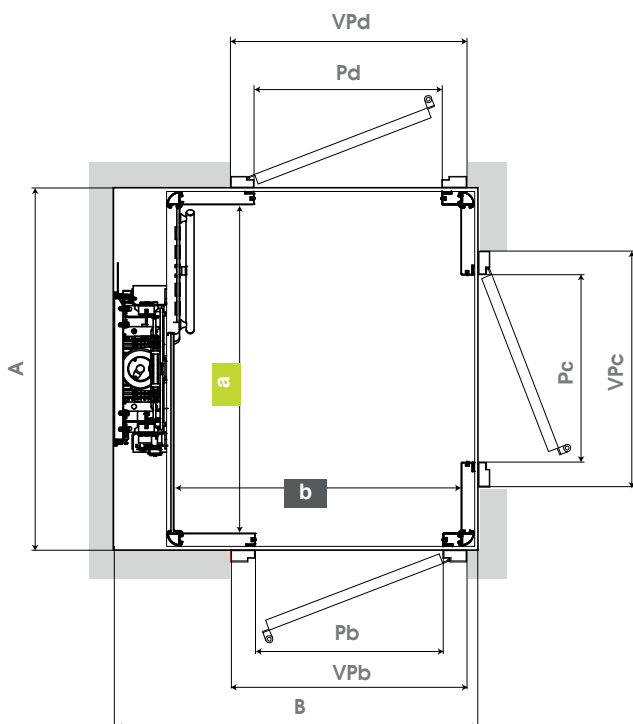
Masonry shaft > Dimension chart 1

| STANDARD SOLUTIONS FOR MASONRY SHAFT | | | | | | |
|--------------------------------------|-----------------------------|-----------|-----------|-----------|--------------------------|------|
| Internal Shaft Dimension A x B | Net cabin dimensions side b | | | | Net door opening Pc Max. | 700 |
| | 800 | 900 | 1100 | 1250 | | |
| Cabin usage side A | 800 | f.s. | f.s. | 950x1460 | 950x1610 | 800 |
| | 900 | f.s. | 1050x1260 | 1050x1460 | 1050x1610 | 1000 |
| | 1100 | 1250x1160 | 1250x1260 | 1250x1460 | 1250x1610 | 1150 |
| | 1250 | 1400x1160 | 1400x1260 | 1400x1460 | 1400x1610 | 1200 |
| | 1400 | f.s. | 1550x1260 | 1550x1460 | f.s. | |
| Net door opening Pb / Pd Max. | | | | | | |
| | | 700 | 800 | 1000 | 1150 | |

f.s. Non standard

Technical Data

- Max rated load 400kg
- 15 versions of standards dimensions
- Customisable (Upon request)
- Net Cabin dimensions (axb) express the available internal space
- Max 5 stops
- Max vertical travel (C) 13 m
- Min pit depth (h) 140 mm¹
- Min headroom (Ht) 2150 mm
- Single wing door with left or right opening
- Net door opening from 600 mm min. to 1200 mm max. (intermediate available dimensions every 50 mm)
- Net door opening height (Ph) 2000 mm
- Door shaft height (VPh) 2100 mm
- Power consumption of only 0,75 kw to 1,1kw max.
- Speed 0,15 m/sec
- Power supply 230 V monophasic
- ¹ 200mm with load frame distribution (optional)



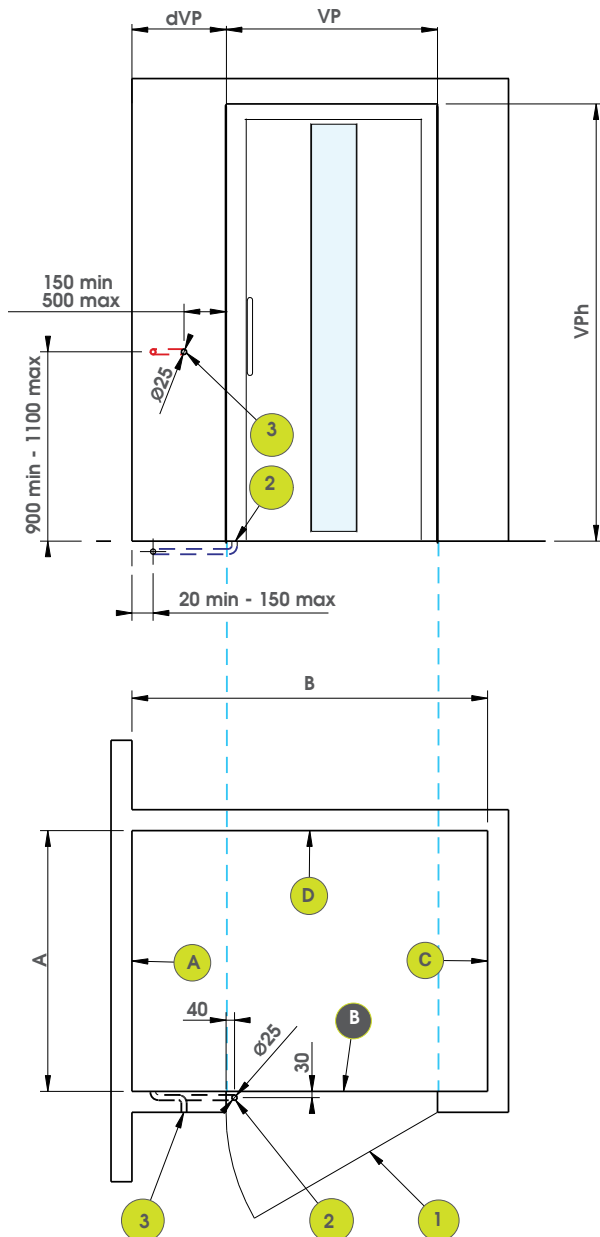
- a** Cabin width
- b** Cabin depth
- A** Shaft width (guide side)
- B** Shaft depth
- Pb** Net door opening side B

- Pc** Net door opening side C
- Pd** Net door opening side D
- VPb** Shaft width door side B (Pb+210)
- VPh** Shaft width door side C (Pc+210)
- VPd** Shaft width Door side D (Pd+210)

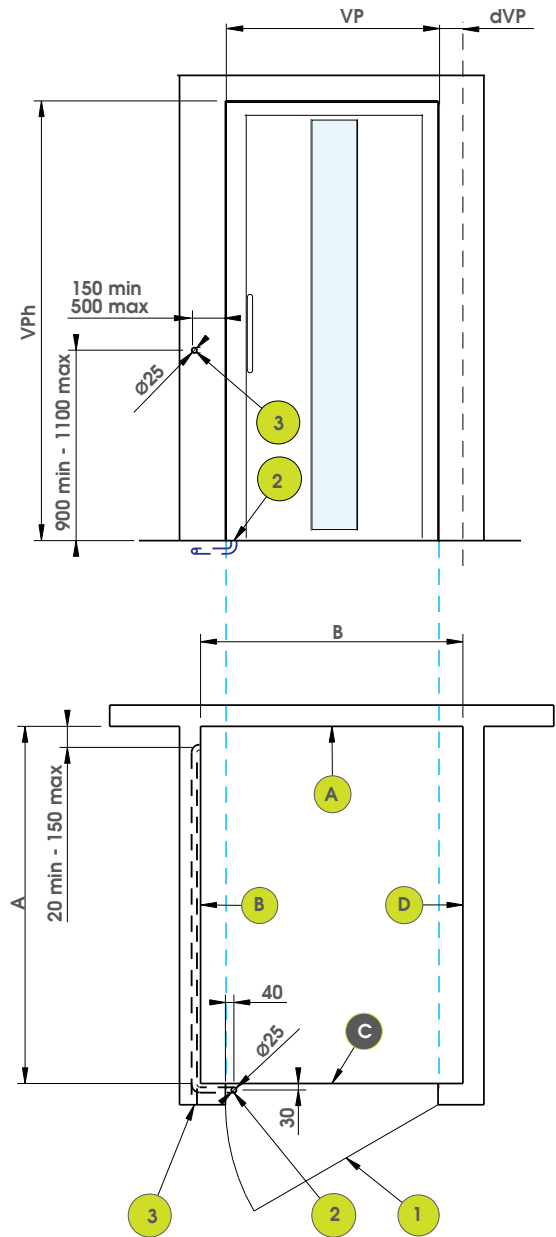
- C** Net vertical travel
- h** Pit depth
- Ht** Headroom at top floor
- Ph** Net door height
- VPh** Door shaft height

Masonry shaft > Dimension chart 2 > hinge door > Right side

SIDE B



SIDE C



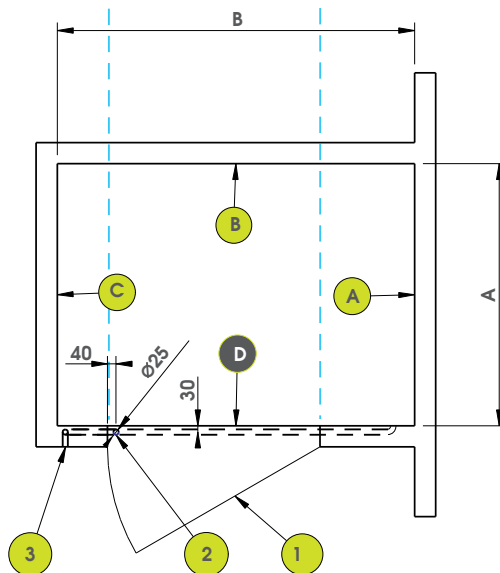
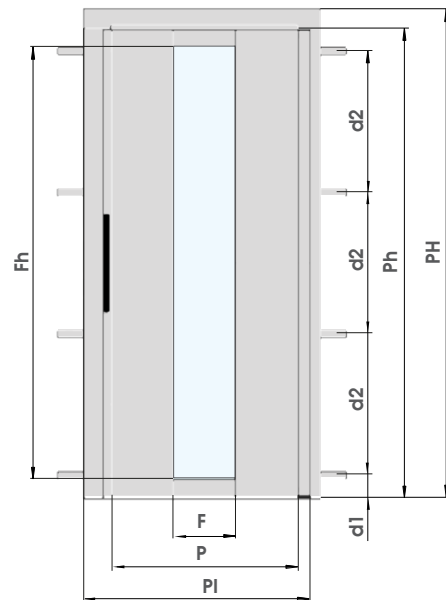
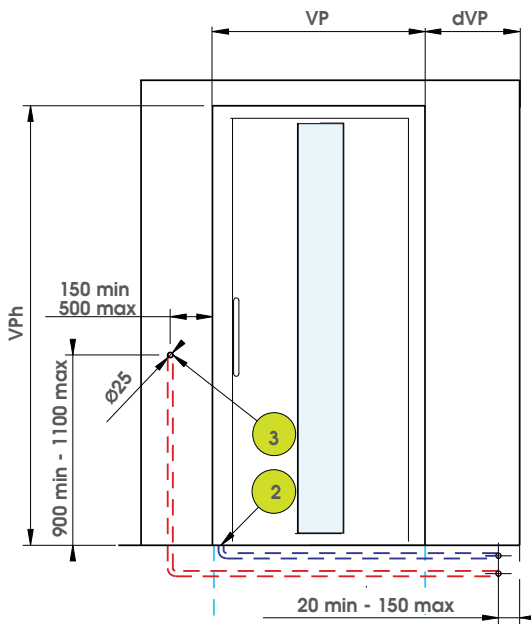
- A Guide side wall (Load bearing)
- B-D Guide adjacent walls (minimum resistance 30kg)
- C Guide opposite wall (minimum resistance 30kg)
- VP Door shaft width
- VPh Door shaft height

- 1 Right side door hinge
- 2 Cable passage for locking device connection (right hinge door)
- 3 Cable passage for landing control panel connection

Masonry shaft > dimension chart 2 > hinge door > Right side

SIDE D

STANDARD DOOR CLUTTER ACTIVA – DX



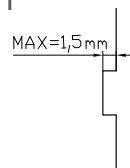
| | | | |
|-----------|-----------------------------|-----------|---------|
| F | P-535 mm | PH | 2080 mm |
| P | from min 600 to max 1299 mm | d1 | 101 mm |
| PI | P+205 mm | d2 | 600 mm |
| Ph | 2000 mm | Fh | 1837 mm |

LEVEL OF SHAFT FINISHING

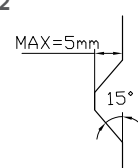
On all accessible sides, all shaft internal walls shall be smooth and continuous with no protruding or sharp edges.

Protruding or sharp edges are acceptable as long as they are lower than 1,5 mm (if not rounded off Ex. 1) or lower than 5 mm as long as if they are rounded off at 15% in comparison to the vertical line (Ex. 2).

Ex. 1



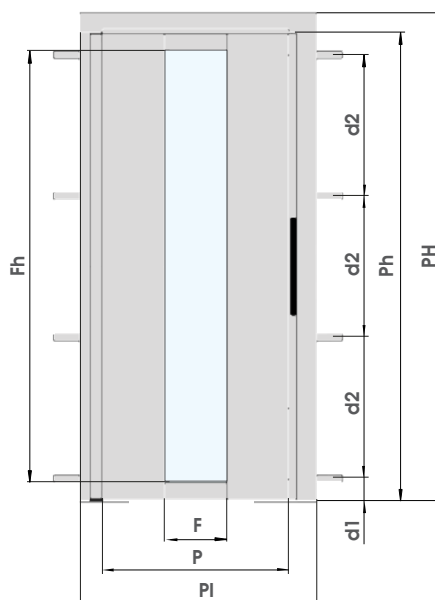
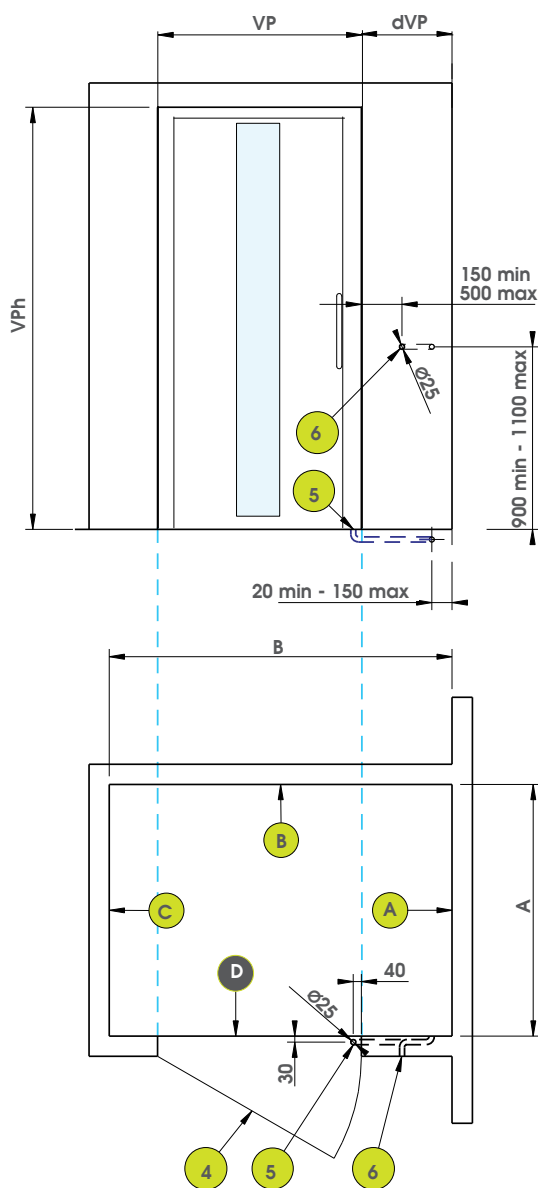
Ex. 2



Masonry shaft > dimension chart 2 > hinge door > Left side

SIDE D

STANDARD DOOR CLUTTER ACTIVA – SX



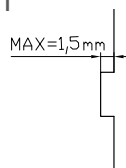
| | | | |
|-----------|-----------------------------|-----------|---------|
| F | P-535 mm | PH | 2080 mm |
| P | from min 600 to max 1299 mm | d1 | 101 mm |
| PI | P+205 mm | d2 | 600 mm |
| Ph | 2000 mm | Fh | 1837 mm |

LEVEL OF SHAFT FINISHING

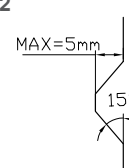
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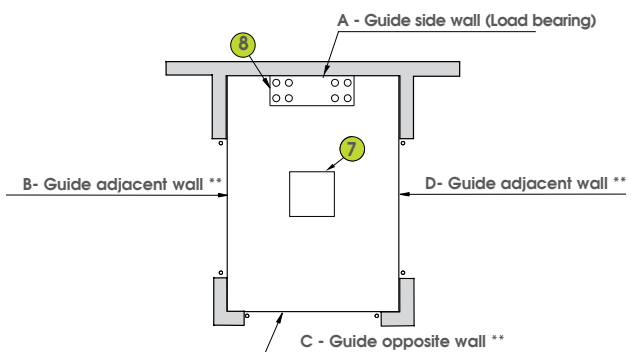
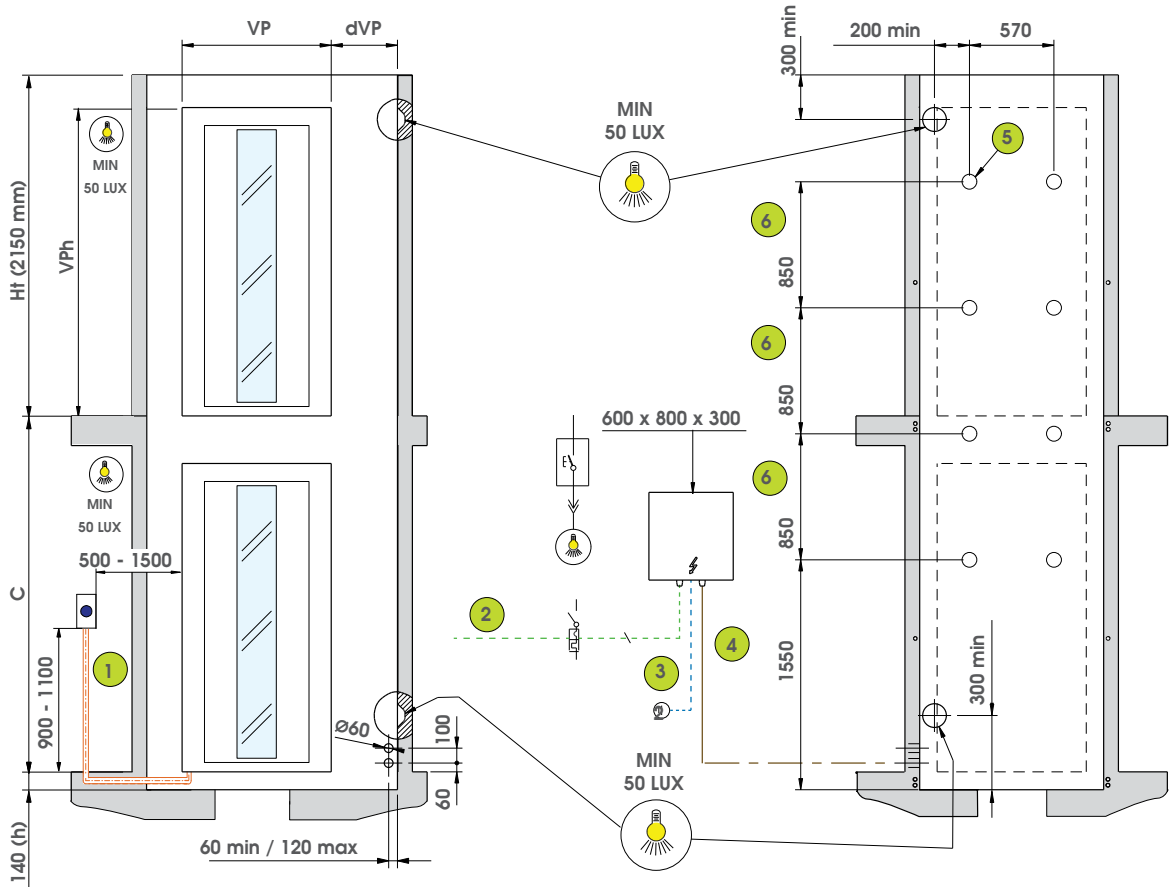
Ex. 1



Ex. 2

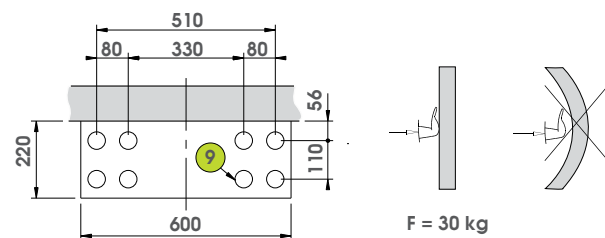


Masonry Shaft > Dimension Chart 3



DETAIL OF SUPPORT BASE (8)

WALL B C D MINIMUM RESISTANCE ()**



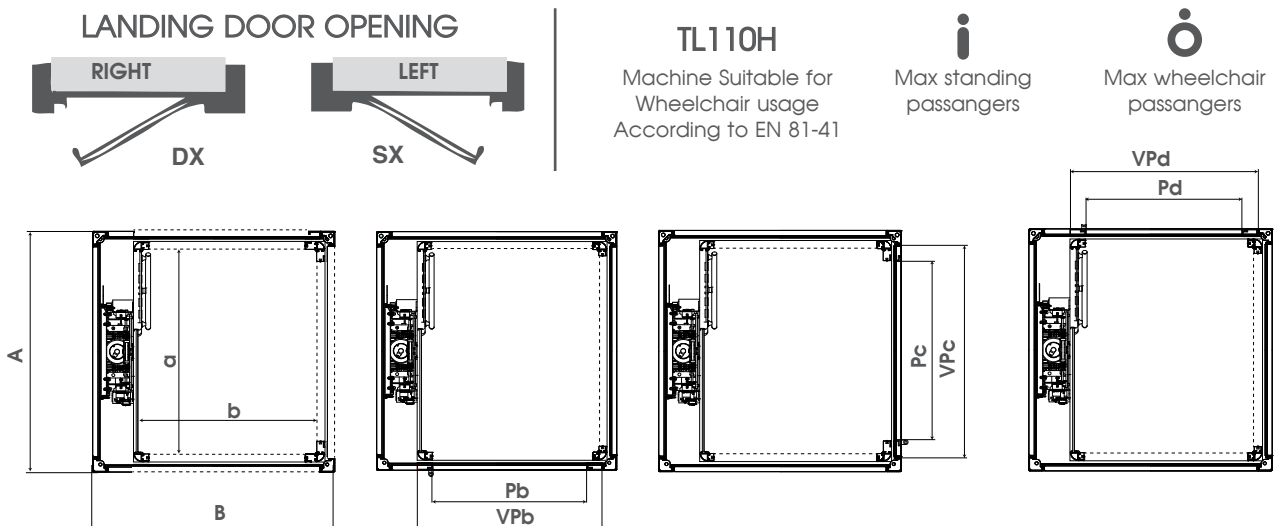
- 1 - Connecting line for landing controls:**
The customer shall provide:
- Tube passage for cables: minimum diameter 25 mm
- 2 - Connecting line main power supply**
The customer shall provide:
- Dedicated power line with a thermal magnetic circuit breaker, current rate 16A, trip sensitivity 30mA
- 1 Feeding cable 4 x 1,5 mm²
- Minimum diameter of tube passage for cables: 20 mm
- 3 - Connecting line to ground**
- 4 - Connection to the controller cabinet**
The customer shall provide:
- 2 Tubes passages for cables: minimum diameter 60 mm, positioning possible on sides A,B,D and at pit bottom without invading area 8 (see detail of support base)
- Controller cabinet connection cable standard length: 3 m
- 5 Guide fixing points (load 280kg at each point)**
- 6 Distance to be verified with the final project**
- 7 For external installations a drainage outlet must be provided on the pit bottom**
- 8 Support base area (load 0,75kg/cm²)**
- 9 Fixing point of support base (FISCHER N. 8 SLM in concrete Rmin 25N/mm²)**
- ** Minimum resistance to be guaranteed on all not bearing walls**



Standard Dimensions Chart

| MODEL | | CABIN | NET CABIN DIMENSION | | EXTERNAL SHAFT DIMENSION | | NET DOOR OPENING | | |
|-------|---------|--------|---------------------|------|--------------------------|------|------------------|--------|--------|
| TL110 | TL110H | cod. | a | b | A | B | Pb max | Pc max | Pd max |
| iii | | 80110 | 800 | 1100 | 1060 | 1560 | 950 | 600 | 950 |
| iii | | 80125 | 800 | 1250 | 1060 | 1710 | 1100 | 600 | 1100 |
| iii | | 9090 | 900 | 900 | 1160 | 1360 | 750 | 700 | 750 |
| iii | | 90110 | 900 | 1100 | 1160 | 1560 | 950 | 700 | 950 |
| iii | | 90125 | 900 | 1250 | 1160 | 1710 | 1100 | 700 | 1100 |
| iii | | 11080 | 1100 | 800 | 1360 | 1260 | 650 | 900 | 650 |
| iii | | 11090 | 1100 | 900 | 1360 | 1360 | 750 | 900 | 750 |
| iii | | 110110 | 1100 | 1100 | 1360 | 1560 | 950 | 900 | 950 |
| iii | iii+o | 110125 | 1100 | 1250 | 1360 | 1710 | 1100 | 900 | 1100 |
| iii | | 12580 | 1250 | 800 | 1510 | 1260 | 650 | 1050 | 650 |
| iii | iii+o* | 12590 | 1250 | 900 | 1510 | 1360 | 750 | 1050 | 750 |
| iii | iii+o | 125110 | 1250 | 1100 | 1510 | 1560 | 950 | 1050 | 950 |
| iii | iii+o | 125125 | 1250 | 1250 | 1510 | 1710 | 1100 | 1050 | 1100 |
| iii | iii+oi* | 14090 | 1400 | 900 | 1660 | 1360 | 750 | 1200 | 750 |
| iii | iii+oi | 140110 | 1400 | 1100 | 1660 | 1560 | 950 | 1200 | 950 |

*The external shaft dimensions are ment to be indicative and can change according to the access positioning and cabin finishing



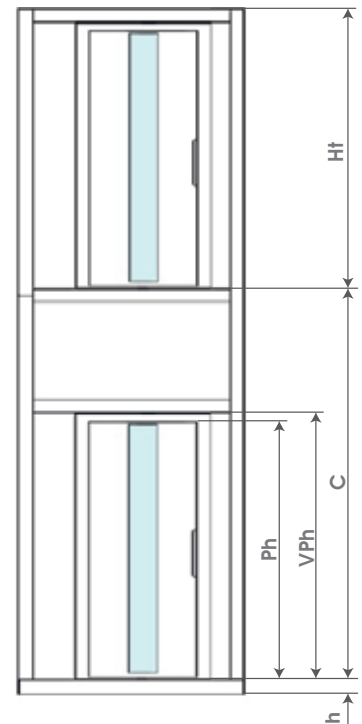
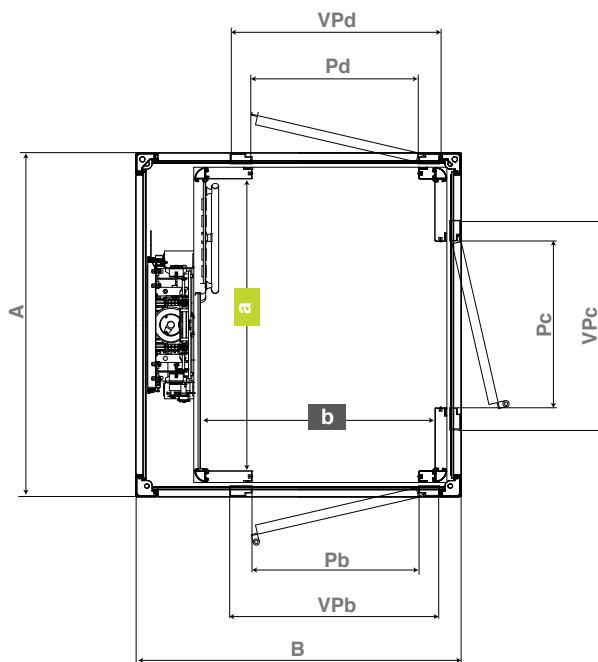
Independent metallic shaft > dimension chart 1

| COMBINED STANDARD FOR METALLIC SHAFT * | | | | | | | |
|--|------|--------------------|-----------|-----------|-----------|--------------------------|------|
| External Shaft Dimension A x B | | Cabin usage side b | | | | | |
| | | 800 | 900 | 1100 | 1250 | | |
| Cabin usage side A | 800 | f.s. | f.s. | 1060x1560 | 1060x1710 | Net door opening Pc Max. | |
| | 900 | f.s. | 1160x1360 | 1160x1560 | 1160x1710 | | 600 |
| | 1100 | 1360x1260 | 1360x1360 | 1360x1560 | 1360x1710 | | 700 |
| | 1250 | 1510x1260 | 1510x1360 | 1510x1260 | 1510x1260 | | 900 |
| | 1400 | f.s. | 1660x1360 | 1660x1360 | f.s. | | 1050 |
| Net door opening Pb / Pd Max. | | | | | | 1200 | |
| | | 650 | 750 | 950 | 1100 | | |

f.s. Non standard

Technical Data

- Max rated load 400kg
 - 15 versions of standards dimensions
 - Customisable (Upon request)
 - Net Cabin dimensions (axb) express the available internal space
 - Max 5 stops
 - Max vertical travel (C) 13 m
 - Min pit depth (h) 140 mm¹
 - Min headroom (Ht) 2150 mm
 - Single wing door with left or right opening
 - Net door opening from 600 mm min. to 1200 mm max. (intermediate available dimensions every 50 mm)
 - Net door opening height (Ph) 2000 mm
 - Door shaft height (VPh) 2100 mm
 - Power consumption of only 0,75 kw to 1,1kw max.
 - Speed 0,15 m/sec
 - Power supply 230 V monophasic
- ¹ 200mm with load frame distribution (optional)



- | | |
|-----------------------------------|---|
| a Cabin width | Pc Net door opening side C |
| b Cabin depth | Pd Net door opening side D |
| A Shaft width (guide side) | VPb Shaft width door side B (Pb+210) |
| B Shaft depth | VPh Shaft width door side C (Pc+210) |
| Pb Net door opening side B | VPd Shaft width Door side D (Pd+210) |

- | |
|---------------------------------|
| C Net vertical travel |
| h Pit depth |
| Ht Headroom at top floor |
| Ph Net door height |
| VPh Door shaft height |

Dimensions expressed in mm

Manufacturing and Premises

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