



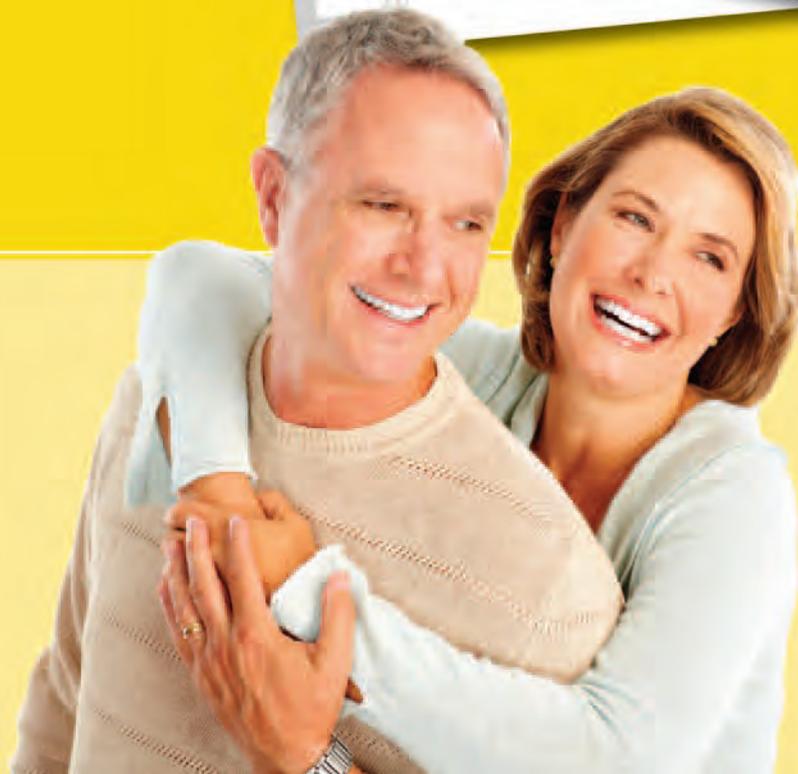
DHM 500

The homelift for residential and commercial use

Mobility has become an element of central importance in our society. Every day millions of people move around without restriction, crossing frontiers and travelling through countries and continents. Our lift products intend to help you to achieve this freedom of mobility in your own home.



A Question of Confidence



SPACE

Thanks to its special compact design the **DHM 500** homelift makes optimal use of the available space. It adapts itself without problem to the restrictions of existing and new buildings.

DESIGN

Beside a standard variety of decorative finishes special decorations are standard as well. They make the **DHM 500** homelift a highly esthetical product that blends seamlessly into the building and its surroundings.

QUALITY

The **DHM 500** homelift stands for a solid and sturdy design combined with the latest safety systems, a comprehensive quality control in production and a continuous improvement process. All of it making sure that you get a high quality product.



The **DHM 500** homelift has been designed for the use both in private and commercial premises. To provide comfort, design that complements the interior of the house, mobility and also to meet the requirements of actual legislation that outlaw any architectural barriers that impede mobility.

For a maximum of safety of the persons using the **DHM 500** homelift the following safety features are integrated:

- Instantaneous acting safety gear
- Slack rope detection
- Safety light curtain of category 2
- Rescue facility in case of a power failure
- Emergency lighting in the cabin
- Stop push button in the cabin
- Both visual and audible overload indication
- Alarm push button in the cabin
- Telephone in the cabin
- Manual rescue facility both in up and down direction
- Automatic releveling of the cabin
- Door locks with double safety for the landing doors
- Hydraulic rupture valve

The **DHM 500** homelift has been tested and certified by the TÜV Rheinland, a notified body, with the certificate no. 01/205/0717/10 according to the requirements of article 12, paragraph 3b of the European Directive 2006/42/EC on machinery.

Safety and Conformity with the standards

Certified according to:

- European Directive 2006/42/EC on machinery
- European Directive 2004/108/EC on electromagnetic compatibility
- European Low Voltage Directive 2006/95/EC



Technical data

Travel (lifting height)	up to 14 m
Cabin size	up to 2 sqm
Rated load	up to 500 kg
Speed	0,15 m/s
Pit depth	min. 80 mm
Headroom top floor*	2.500 mm
Power supply	230 VAC monophase / 400 VAC threephase
Motor power	2,2 kW (3 HP)
Drive system	2:1 roped hydraulic drive
Access	from one, two (90° or 180°) or three sides
Machine room	on site or DICTATOR steel locker
Doors	from 500 to 1000 mm width
Height of the doors	1.800, 1.900, 2.000 or 2.100 mm



*Under certain circumstances the headroom can be reduced to 2.300 mm





Finishes

Decoration of the cabin walls

Melamine Panels



Stainless Steel



Transparent or translucent glass



Available floor designs for the cabin

Vinyl Flooring



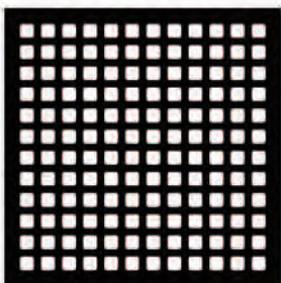
Others



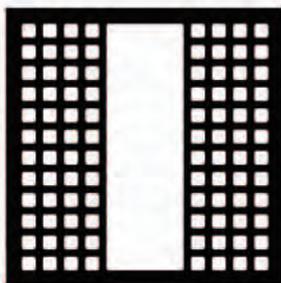
* Cabin prepared for the flooring provided by the customer

Illumination

Design Origen



Design Trading



Design Halogen



Finishes of the cabin ceiling: white, black, stainless steel

Accessories

Hand Rails

Chrome-plated Handrail



Stainless steel Handrail



Push Button Landing Doors



Displays

Blue LCD



DMR LED dot display



Landing doors



Standard



Panoramic



Blind

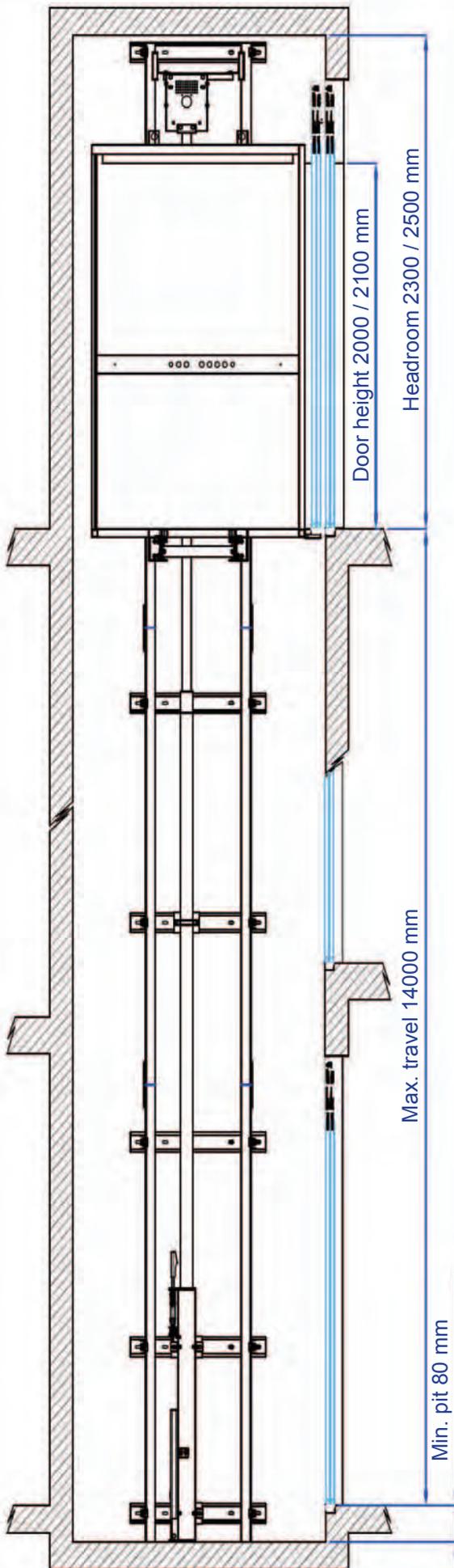


Automatic

Optional Accessories for Doors

- Doors powder-coated in a RAL colour chosen by the customer
- Anticorrosion treatment for doors exposed to the weather
- Additional door lock for access only by key
- Special heights
- DICTAMAT 304 or DICTAMAT 204 door operators for semi-automatic doors

Standard Dimensions



DHM 500 without cabin doors

Accesses	Landing doors	Cabin	Min. inner hoist-way dimensions	Space required for DICTATOR shaft
B or D	700	800x800	1075x930	1230x1040
C	700	800x800	975x1035	1190x1110
Band D	700	800x950	1075x1020	1240x1130
Band C	700	840x860	1075x975	1215x1190
B or D	800	900x800	1175x930	1330x1040
C	800	900x800	1175x1035	1290x1110
Band D	800	900x950	1175x1020	1290x1130
Band C	800	940x960	1175x1075	1315x1290
B or D	900	1000x800	1275x930	1430x1040
C	900	1000x800	1175x1035	1390x1110
Band D	900	1000x950	1275x1020	1390x1130
Band C	900	1040x1060	1275x1175	1415x1390

Dimensions indicated in mm

DHM 500 with automatic doors

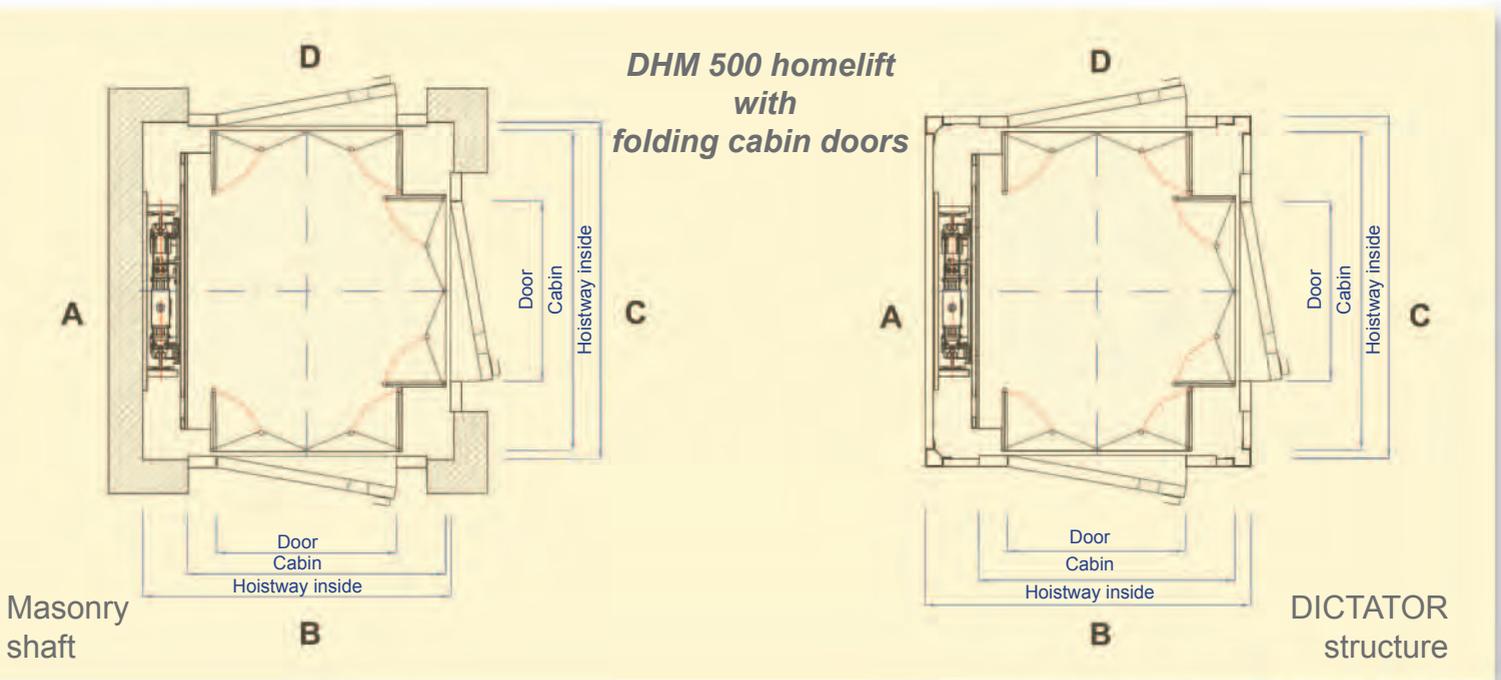
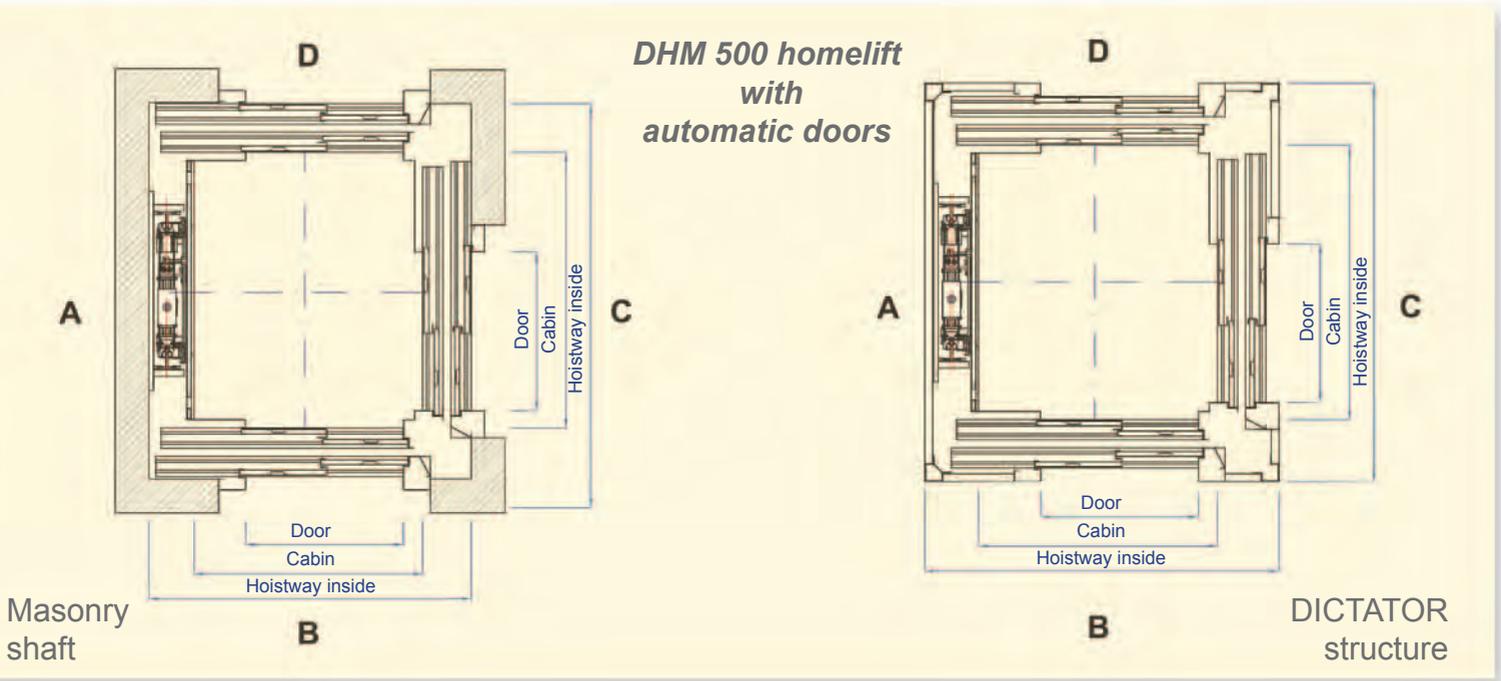
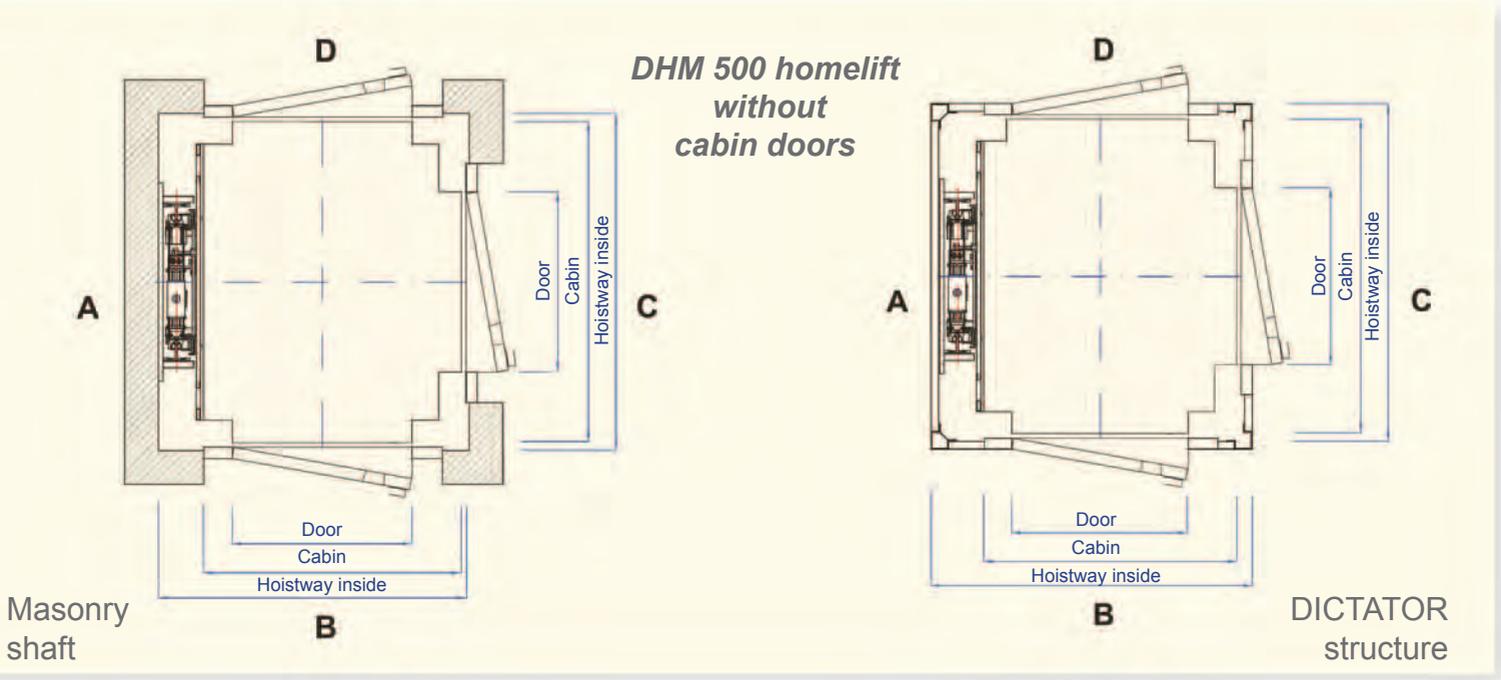
Accesses	Landing doors	Cabin	Min. inner hoist-way dimensions	Space required for DICTATOR shaft
Band D	700	950x800	1290x1050	1500x1350
C	700	1050x800	1290x1160	1500x1350
Band D	700	800x950	1290x1275	1500x1530
Band C	700	1100x1100	1400x1350	1600x1600
B or D	800	1100x800	1440x1050	1650x1350
C	800	1200x800	1440x1160	1650x1350
Band D	800	900x950	1440x1245	1650x1530
Band C	800	1030x1230	1550x1500	1800x1800
B or D	900	1200x800	1590x1050	1800x1350
C	900	1200x800	1590x1050	1800x1350
Band D	900	1200x950	1590x1275	1800x1525
Band C	900	1200x1400	1700x1700	1950x1950

Dimensions indicated in mm

DHM 500 with folding cabin doors

Accesses	Landing doors	Cabin	Min. inner hoist-way dimensions	Space required for DICTATOR shaft
B or D	700	800x800	1100x930	1240x1040
C	700	800x800	975x1035	1190x1110
Band D	700	800x950	1100x1020	1240x1130
Band C	700	930x1130	1150x1245	1250x1325
Band D	800	900x800	1200x930	1340x1040
C	800	900x800	1175x1035	1290x1110
Band D	800	900x950	1200x1020	1340x1130
Band C	800	1030x1230	1270x1345	1340x1425
B or D	900	1000x800	1300x930	1440x1040
C	900	1000x800	1175x1035	1490x1110
Band D	900	1000x950	1300x1020	1440x1130
Band C	900	1130x1330	1370x1445	1440x1525

Dimensions indicated in mm

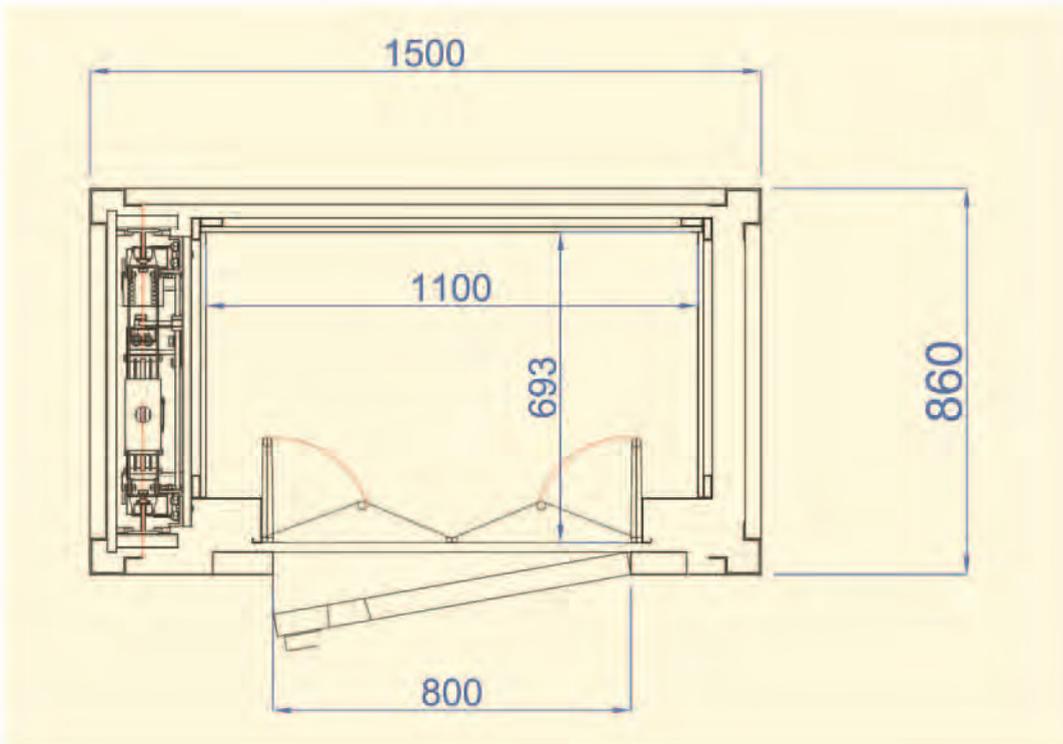


Customized Production

Examples of realized DHM 500 homelifts

One of our main focuses lies on finding solutions even for situations, where it seems almost impossible that a lift might fit in. From the close collaboration of both our technical and research and development staff with our customers result the following examples, that however represent only a very small portion of the realized projects.

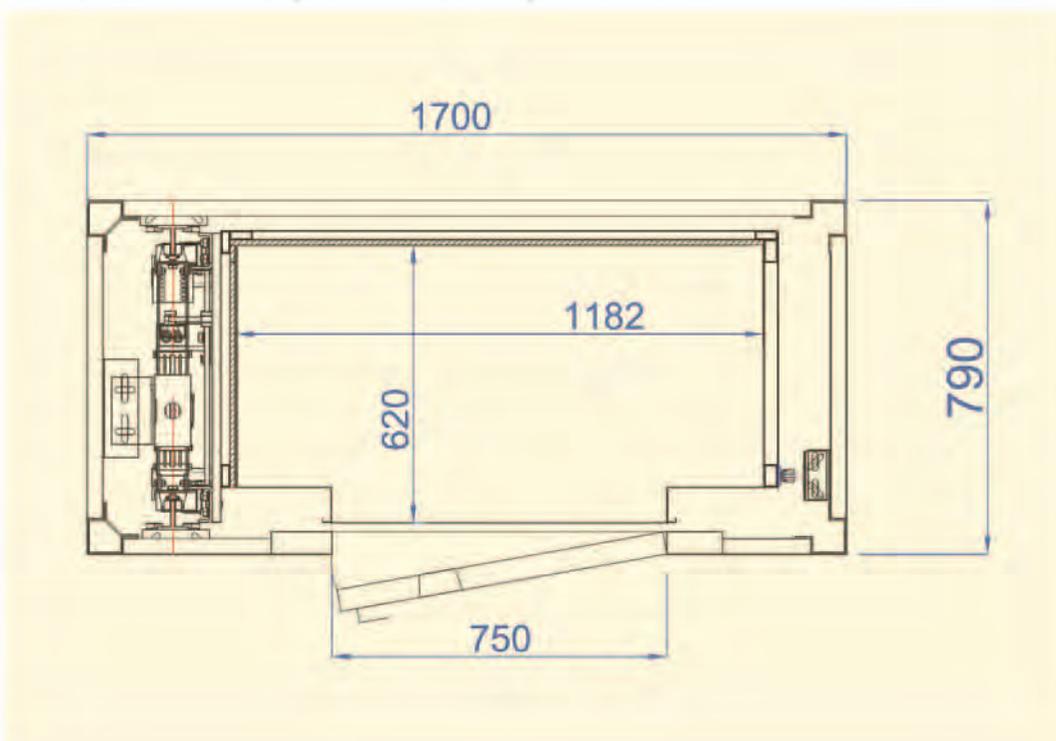
DHM for reduced space with folding doors



This DHM has been designed to fit into a stair well of an apartment block together with a DICTATOR lift shaft system. On the client's wish the cabin was provided with folding doors.

The shaft system was claded with sheet steel panels.

DHM for a super small space with additional rail

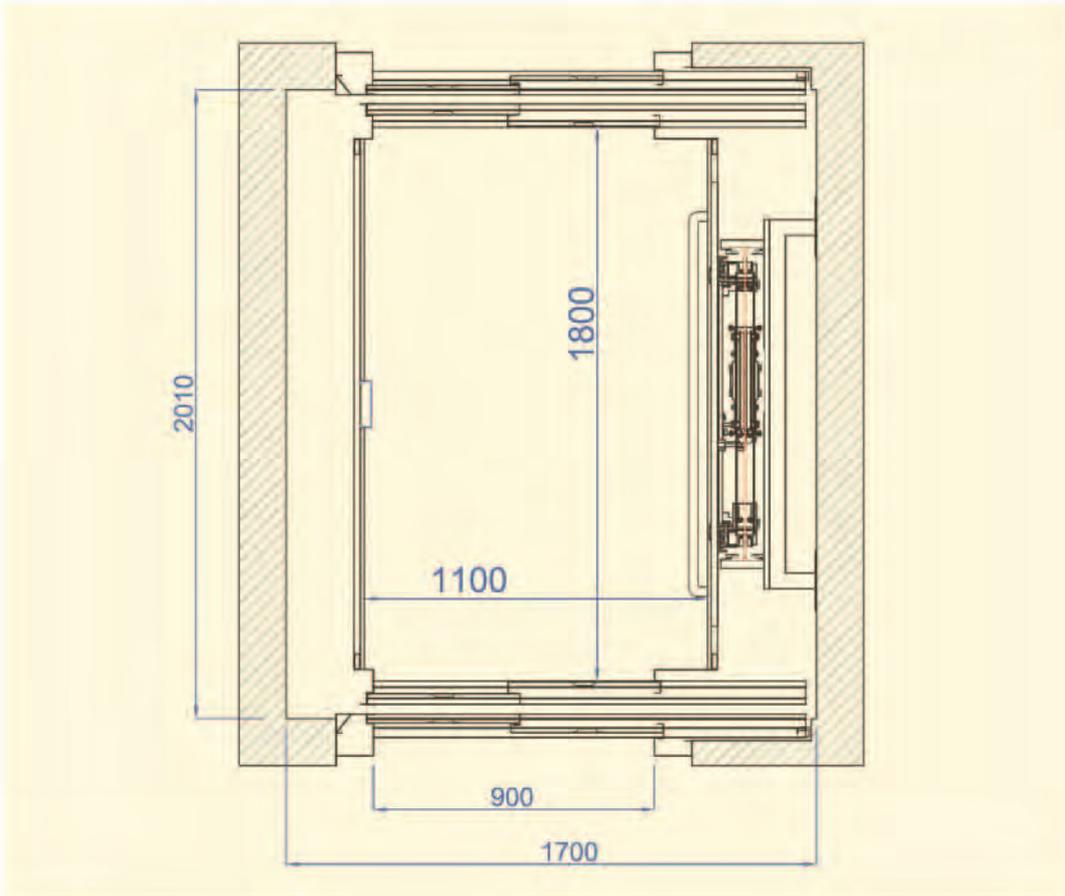


In spite of the extremely small dimensions of the available space a DHM was designed to fit in.

The chassis of the cabin had to be reinforced - also due to the glass panels - in order to ensure the comfortable travel of the passengers.

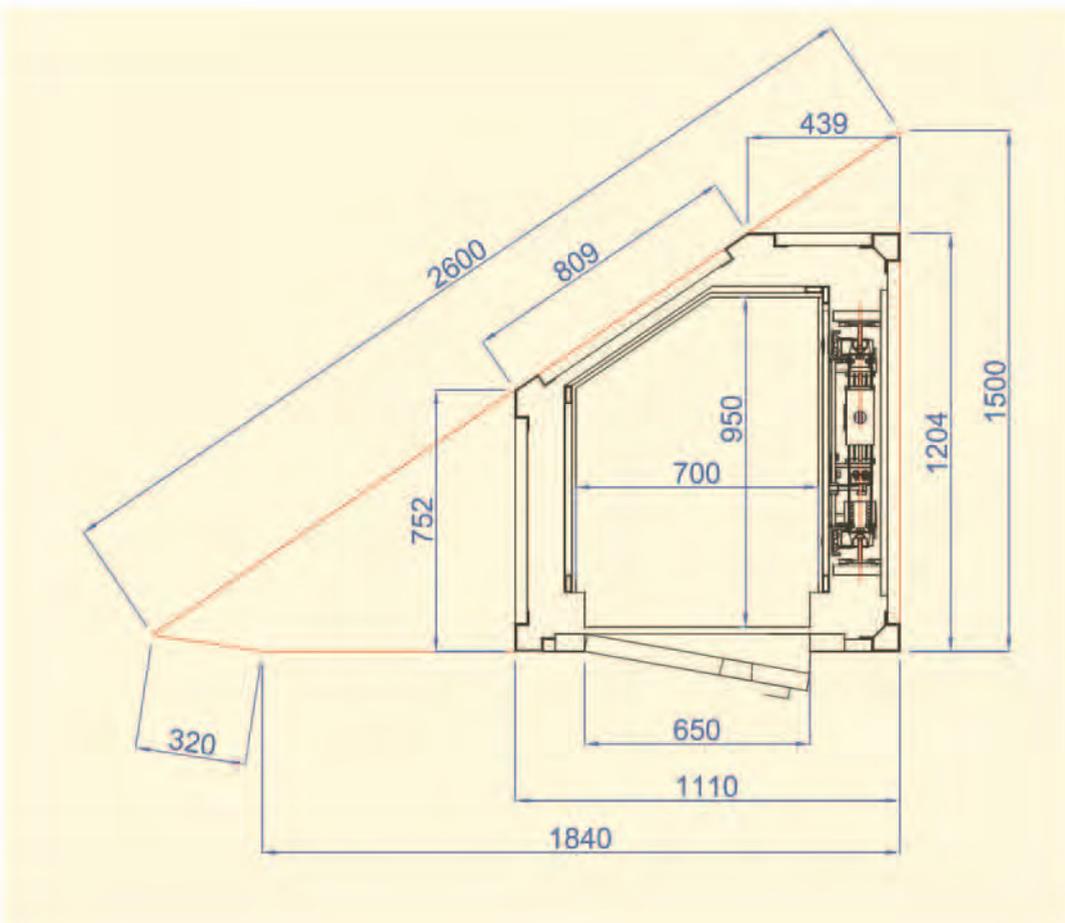
The DICTATOR shaft system was equipped with glass panels.

Cabin with 2 sqm size, for a load of 500 kg



Thanks to its sturdy and solid design the DHM 500 can be used up to loads of 500 kg, even with a cabin size of 2 sqm. In this case the cabin has double access at 180° and automatic doors. Installed in a public building.

Triangular shaft and a cabin with 5 sides



An example that demonstrates the versatility of the DHM 500 design. Both the special shaft system and the DHM 500 were designed with 5 walls, in order to achieve as large a cabin as possible. The shaft was made both with glass and sheet steel panels.

Optional Components for the DHM 500 homelift

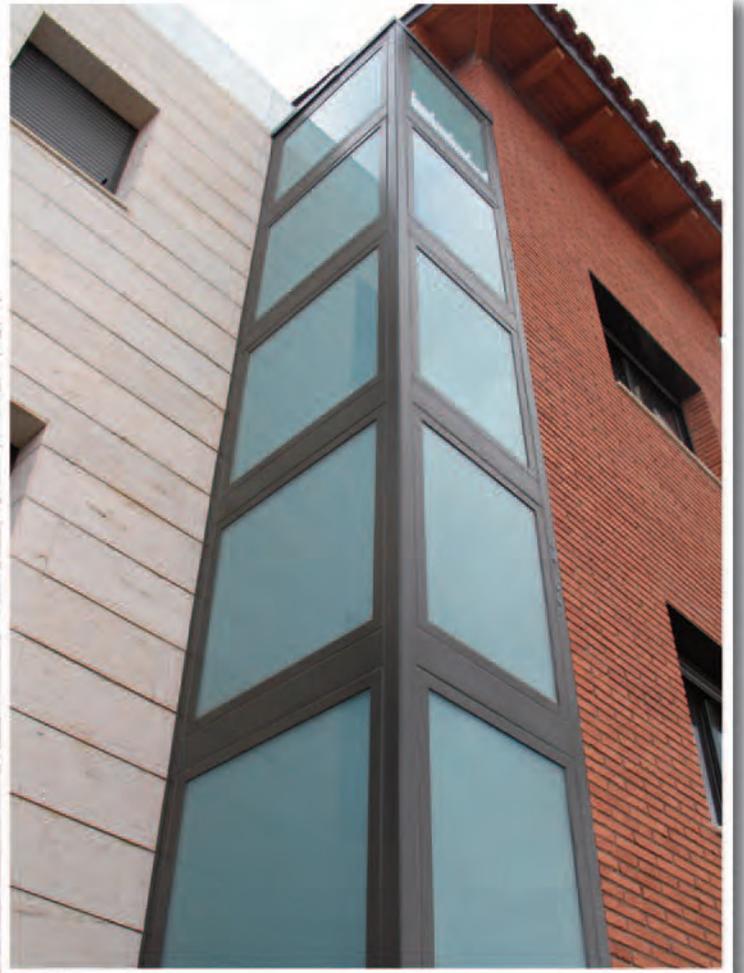
Modular lift shaft system

If no lift shaft is existing, the modular DICTATOR lift shaft system is the ideal solution. It can be adapted without problem as it is produced always – as well as the DHM 500 homelift – according to the requirements of each installation.

Its main features are

- Easy installation due to its screwable modules
- No welding
- Complete installation from inside the shaft
- Powder-coated finish in RAL colours at the buyer's option
- Panels made of sheet steel, perforated sheet steel or glass
- For indoor and outdoor use
- For outdoor installations made of galvanized steel
- Delivered together with brackets for fixing the rails
- Suitable both for existing and new buildings





Small „machine room“

The „machine room“ of the DHM 500 homelift fits into this compact steel locker which can be placed almost anywhere in the building.

Inside are located the hydraulic unit, the control system and the fuses.

Finish of the locker: powder-coated in RAL 7035

The locker is provided with ventilation slots, openings for the electrical and hydraulic connections and a lock with keys.

Dimensions:

- 720 mm wide
- 440 mm deep
- 1.635 mm high



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