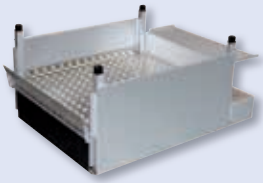


# Lifting devices of the HBL-Series

Lifting devices



# Lifting devices - content



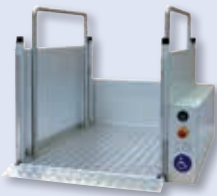
**HBL mini** - the lifting device for narrow space ratios  
Lifting height: 170 - 400 mm - Passage: straight

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**HBL 300** - the lifting device for low barriers  
Lifting height: 300 mm - Passage: straight / over corner

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**HBL 600** - the lifting device for medium heights  
Lifting height: 600 mm - Passage: straight / over corner

---



**HBL 1000** - the lifting device for large height differences  
Lifting height: 1000 mm - Passage: straight / over corner

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**Accessories** - platforms, gates, bridging ramps, control panels and more...

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**Worn parts** - bowden cables, rubber bands

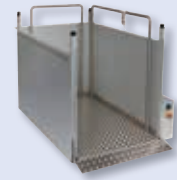
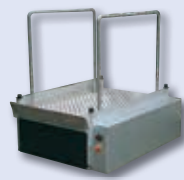
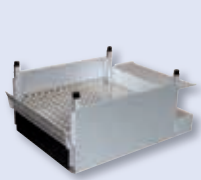
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**Information** - installation preconditions, technical data, maintenance, order form,

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# Technical data and equipment- version 2012



| Model                   | HBLmini        | HBL300        |               | HBL600        |               | HBL1000                              |                                      |
|-------------------------|----------------|---------------|---------------|---------------|---------------|--------------------------------------|--------------------------------------|
| Passage                 | ↑              | ↑             | ↶ ↷           | ↑             | ↶ ↷           | ↑                                    | ↶ ↷                                  |
| Type                    | Type G         | Type G        | Type E        | Type G        | Type E        | Type G                               | Type E                               |
| Design                  | straight       | straight      | over corner   | straight      | over corner   | straight                             | over corner                          |
| <b>Dimensions in mm</b> |                |               |               |               |               |                                      |                                      |
| Lifting height          | 170 - 400      | up to 300     | up to 300     | up to 600     | up to 600     | up to 1000                           | up to 1000                           |
| Ramp height app.        | 40             | 40            | 40            | 40            | 40            | 40                                   | 50                                   |
| Total height            | lift. h. + 190 | 490           | 490           | 940           | 940           | 1240 <sup>1</sup> /1190 <sup>2</sup> | 1240 <sup>1</sup> /1190 <sup>2</sup> |
| Total width             | 920            | 1055          | 1075          | 1055          | 1075          | 1155                                 | 1175                                 |
| Total length            | 1320-1650*     | 1460          | 1440          | 1460          | 1440          | 1710                                 | 1730                                 |
| Platform width          | 800            | 800           | 800           | 800           | 800           | 900                                  | 900                                  |
| Platform length         | 900-1170*      | 1170          | 1170          | 1170          | 1170          | 1420                                 | 1420                                 |
| Load (max.)             | 225 kg         | 225 kg        | 225 kg        | 225 kg        | 225 kg        | 225 kg                               | 225 kg                               |
| Speed, Load-based       | app. 0.02 m/s  | app. 0.02 m/s | app. 0.02 m/s | app. 0.02 m/s | app. 0.02 m/s | app. 0.02 m/s                        | app. 0.02 m/s                        |
| Power connection        | 230V / 10A     | 230V / 10A    | 230V / 10A    | 230V / 10A    | 230V / 10A    | 230V / 10A                           | 230V / 10A                           |
| Weight                  | app. 80 kg     | app. 90 kg    | app. 90 kg    | app. 100 kg   | app. 100 kg   | app. 180 kg                          | app. 180 kg                          |

\*Length can be selected freely, <sup>1</sup> If railing without stuffing, <sup>2</sup> If railing with stuffing

| Equipment   | HBLmini    | HBL300 | HBL600 | HBL1000 |
|---|------------|--------|--------|---------|
| Cable remote control  | ✓          | ✓      | ✓      | ✓       |
| Portable transmitter with tilting switch                        | ○          | ○      | ○      | ○       |
| Control panel with mushroom buttons <sup>3</sup>                | On request | ○      | ○      | ○       |
| Control panel with mushroom buttons <sup>3</sup> and magnet pin | On request | ○      | ○      | ○       |
| Control panel with joystick <sup>3</sup>                        | On request | ○      | ○      | ○       |
| Control panel with joystick <sup>3</sup> and magnet pin         | On request | ○      | ○      | ○       |
| Bridging ramp   | ✓          | ○      | ○      | ✗       |
| Gate at top exit  | ○          | ○      | ○      | ○       |
| Railings on the lift  | On request | ○      | ✓      | ✓       |
| Railing stuffing of plastic, transparent                        | ✗          | ○      | ○      | ○       |
| Safety strap, moveable  | ✗          | ○      | ○      | ○       |
| Transport roller for mobile use                                 | ○          | ○      | ○      | ○       |
| Staircase balancing platform 3-4 levels                         | ✗          | ✗      | ○      | ○       |
| Staircase balancing platform 5-6 levels                         | ✗          | ✗      | ✗      | ○       |
| Special drive for the public area                               | ○          | ○      | ○      | ○       |

✓ = serial prod., ○ = optional at extra cost, ✗ = cannot be delivered, <sup>3</sup> As cable- or wireless version (please specify in your order)

## Our lifting devices of the HBL Series in “public areas”

A special drive was developed for operating each of our HBL Series lifting devices in public areas, which almost rules out overloading of the drive, Bowden cables and motor. Even blocking of the ramp flap cannot lead to a defect in the mentioned parts.

Very strong heating of the motor, e.g., after several short lifting operations performed in succession, results in the lifting plate coming to a standstill. Lowering of the lifting plate is possible at all times, so that the user can leave the lift in the lower position. A new lifting operation can be started after app. 30 minutes. Retrofitting of this drive is possible at all times at manufacturer premises. Prices on request.



## Subsidies for improving the residential environment

All those who are planning to readjust their living room or residential environment should not forfeit the possible subsidies. The following article provides crucial instructions and tips:

### “Improvement of residential environment - measures

*To improve the residential environment (e.g., provision of hand railings and grab handles, overcoming sills and steps through the installation of ramps, installation of kitchen cabinets that can be lowered, installation of disabled-friendly bathrooms, staircase lift), costs up to an upper limit of 2,557.00 € can be approved by the care insurance company for each measure. The care recipient must pay only 10% of the costs of the alteration measure. The person's share in this context should not exceed 50% of his gross monthly income for subsistence. The personal share provision is waived if he does not have any source of income. The incomes of other persons in the household (such as spouse and other relatives) are not considered in principle.*

*If different alterations or additions are required simultaneously (e.g., door extensions, wheel chair ramps and staircase lifts), then these are treated as one alteration measure. Renewed allowance for improving the residential environment is possible only if any change in the care situation during the intervening period necessitates such alteration. Alternatively to the required alteration measures, allowance can also be claimed for relocating to an apartment that meets the requirements of the person in need of care.*

*If further expenditures are required to improve the residential environment, these can also be subsidized. On the whole however, the maximum subsidy of 2,557.00 € cannot be exceeded in this combination. (Source: Care Act, [www.bmg.bund.de](http://www.bmg.bund.de))”*

### Our tip:



There is possibly an additional claim for the improvement of the residential environment that can be enabled through other or further regulations. Please contact the responsible social service provider, who can check whether further support can be approved.

## Mobility in the school

Barrier-free up to secondary school completion



*Steps must be encountered in the entry area itself.*

### Setting the task...

...in this case means finding a solution to the problems faced by students with mobility disabilities at the Evangelical Integration School in Hamburg, which has many staircases.

A convincing concept was worked out jointly with the school sponsors according to which our HBL Series lifting devices were installed.

In this context, height differences of up to 1 meter had to be bridged and a high degree of safety had to be guaranteed.

The safety requirements were covered optimally through the optional railings, the gate and the overrun protection. We delivered lifting heights of up to one meter from our standard assortment – bigger heights have been produced by us on custom basis.

Thanks to the easy operation, the concerned students could operate the devices right away.

Examination passed!

### Out of the blue

Restricted mobility overnight



*The narrowed down space ratios at the courtyard entry must be mastered*

### An accident at the workplace and suddenly everything has changed...

For many people, a walking disability is not a congenital disability. In the middle of life, their mobility is limited considerably on account of an accident or a disease. In most cases, the familiar environment, even the four walls of one's home have many obstacles that cannot be overcome, or are very difficult to overcome without outside help.

With the help of our HBL-1000 lifting device, we could enable comfortable access to the apartment to the young man in the picture above.

Here, it was particularly important for the lifting device not to obstruct the very narrow driveway of his garage. This requirement was very easy to fulfil, thanks to the compact design of our lifting devices.

We were able to provide a little bit of mobility and perhaps even the courage for this young man to face the future after his accident...

...because mobility means freedom!

## As independent as possible!

Being mobile – even without outside help



*The terrace offered the best preconditions for the access route of the lifting device*

### **The essential thing about life is a self-defined life.**

A walking disability must not be synonymous to the loss of mobile independence. Wheelchairs offer considerable help in this context. Irrespective of whether it has an electrical or a manual drive: These established help resources reach their limits when they encounter large slopes.

Our comfortable and space-saving lifting devices come to the rescue if a wheelchair is no longer adequate to overcome obstacles due to the space ratios, the height or the inadequate drive power.

As in this case: Without our HBL1000-G, the senior citizen in the above picture would have had to depend on a person to push the wheelchair. That was out of the question, thanks to his agility. He wanted to be able to decide independently, when and how often he must go out.

As the space ratios at the house door did not permit a ramp or lifting device to be installed, the rear terrace was extended and optimized to access the lifting device. Independence was restored.

# The police – your friend and helper

Old service buildings often have barriers



*Four steps must be overcome to enter this public building...*

## Public buildings must be accessible to every citizen!

That is what the Equality Act stipulates. In older buildings that were not designed to be barrier-free, this equality often manifests itself as a difficult hurdle to cross.

In the example given above, a minor alteration at the staircase ascent enabled our HBL-1000 to be integrated in the building with ease. The gate installed at the upper ascent ensures safety against falling, if the lift parks in its normal "lower" position.

If the wheelchair occupant cannot operate the lift himself, there is a portable transmitter with which the official on duty can operate the lift using a remote control.

Thus, the police can present themselves as friends and helpers to visitors on a wheelchair.



### Serving the tenants

Access to the lift is now possible with the wheelchair too



*The HBL600-E blended well with the existing space ratios – without disturbing any of the other tenants.*

### Thanks to the intervention of the house administration, relocation could be avoided...

...because, a tenant of a multi-storied residential building was suddenly and permanently forced to a wheelchair; but he did not want to give up his apartment on the third floor.

Of course, there was a lift up to the floor of this apartment, but the wheelchair user could not access it due to three steps.

After consultation with the House Management, who wanted to keep the tenant, a solution was found quickly:

An HBL600-E lift comfortably bridged the three steps that had become barriers now.

On the customer side, only a part of the existing steps had to be altered as base, and the tenant could reach his apartment on his wheelchair without any outside help.

A measure with a "Happy Ending".

## To the very top with HBL!

Easier boarding for wheelchair users



*Barrierer-free to the fun fair*

### **The Steiger Ferris Wheel:** a sensible combination of nostalgia and modern technology.

Ferris wheels have always been among the most fascinating structures worldwide, they are landmarks and movable viewing platforms at the same time, and provide visitors with new perspectives and vistas.

At 60 meters, the Steiger Ferris Wheel has been the largest mobile Ferris wheel in the world for over 30 years, and is considered a temporary landmark in many German cities.

The 42 spacious gondolas are mounted on the rim via gallows. The advantage of this construction is obvious, because the passengers may enjoy an optimal view from

any position, not offered in this form by any other Ferris wheel.

The spacious gondolas can accommodate up to 10 people and feature an open design. The visibility and the intense feeling of an "open ride" contribute to the special charm of the Steiger Ferris Wheel. Each of the 420 seats becomes a front row box seat.

In addition, the Ferris wheel has a wheelchair accessible gondola that may easily be reached via the plateau.

# To the very top with the HBL!



*The lift can be reached directly from the street*

Wheelchair users may reach the plateau using an HBL-600 lift to subsequently admire the fairgrounds from above.

Due to its space-saving design, the lift allows optimal integration into the access platform. In addition, the materials and the railing



*Barrier-free to the gondola*

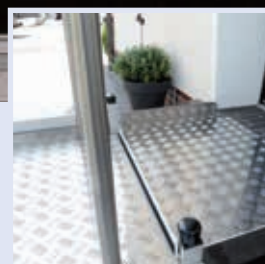
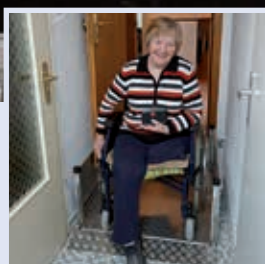
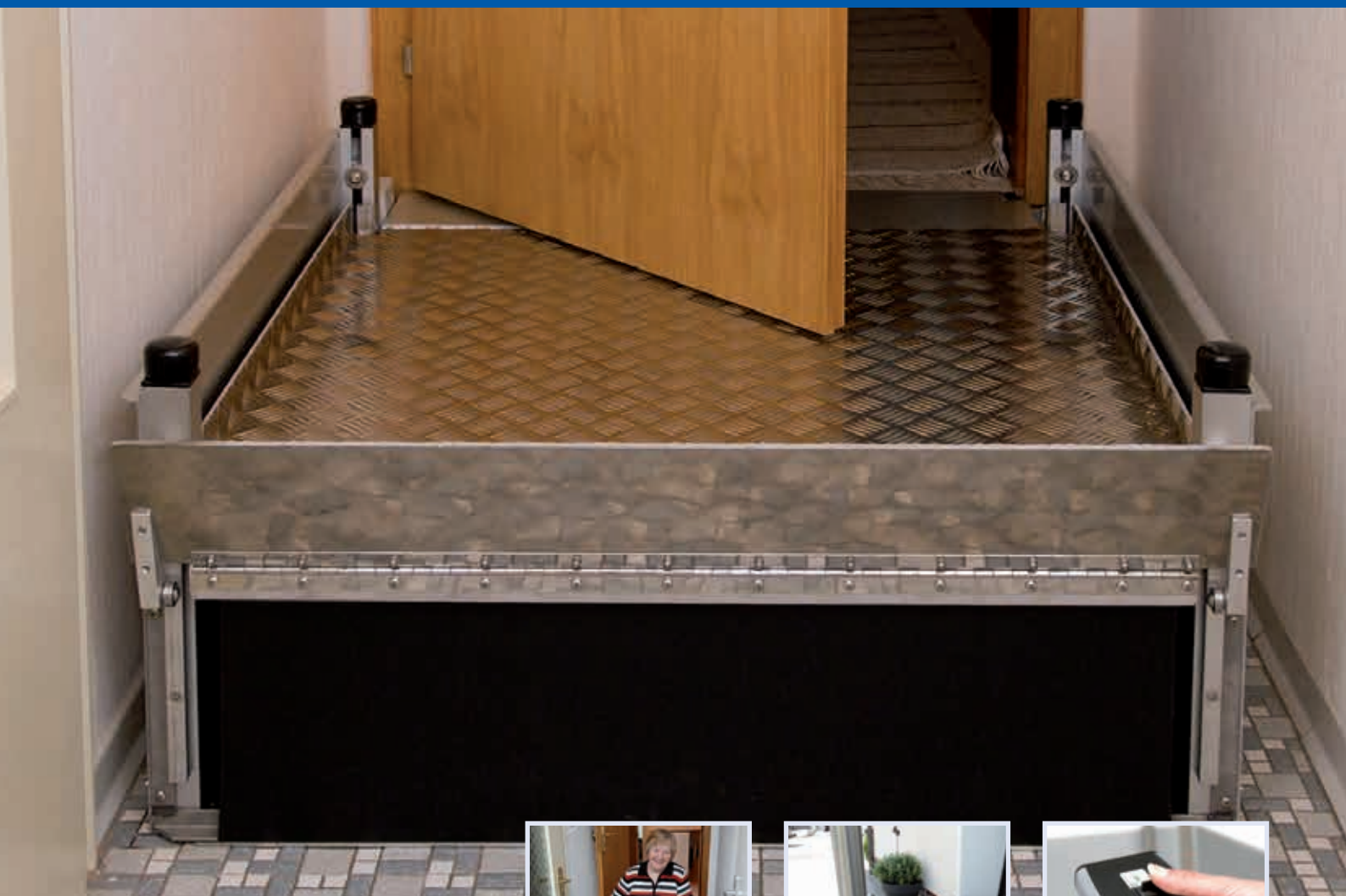
further serve to create optical unity, almost as if the lift has always been a part of the Ferris wheel.

The deliberately reduced, minimalist design fulfills several purposes: First, the Steiger Ferris wheel is a welcome meeting place and refuge amidst the hustle and bustle of the fairs. Second, it fits perfectly into the context of urban settings and serves as a rotating observation platform and temporary landmark visible from a great distance.

(Source: [www.riesenrad.de](http://www.riesenrad.de))



*The gondola offers much space for wheelchair users and their companions*



## Our new top seller: The HBL mini!

The small all-rounder can be used wherever there is little space for a standard lifting device.

It saves space using the drive on the front side for the most essential item: the lift surface. The cable remote control is standard; the wireless equipment is available for an extra cost.




Accessories and technical details are given on the reverse side.








## Lifting device with HBL mini!


- Minimum climbing height of 4 cm (hence suitable for selfoperators too)
- Optimum solution for narrow space situations
- No pit is required due to the flat design
- Standard power connection (230V/10A)



| Model                   | HBLmini  |
|-------------------------|--|
| Passage                 |  |
| Type                    | Type G   |
| Design                  | straight   |
| <b>Dimensions in mm</b> |  |
| Lifting height          | 170 - 400  |
| Ascent height app.      | 40   |
| Total height            | Lift h. + 190  |
| Total width             | 920  |
| Total length            | 1320-1650*   |
| Platform width          | 800  |
| Platform length         | 900-1170*  |
| Load capacity           | 225 kg   |
| Speed, Load-based       | app. 0.02 m/s  |
| Power connection        | 230V / 10A   |
| Weight                  | app. 80 kg   |

\* Length can be selected freely

| Equipment   |  |
|---|--|
| ▼ Standard  | ▼ Optional at extra cost   |
|  <p>Cable remote operation</p>   |  <p>Handheld transmitter with toggle switch</p> |
|  <p>Bridging ramp</p>            |  <p>Gate</p>                                    |
|  <p>Lapping plate/ Rear wall</p> |  <p>Transport rollers for mobile use</p>        |
|   |  <p>Control panels</p>                          |
| <p>Further accessories are given on Page 1 "Technical data and equipment" of this chapter</p>                       |  |

 For queries and orders, please use the appropriate forms given at the end of the chapter



## The HBL 300. Optimum for overcoming a few steps

A classic, for overcoming small ascents. Straight or over corners or in combination with a platform, it can be integrated almost everywhere, where access is designed to be generous.

Can be extended with railings, gate and railing stuffing.




Accessories and technical details are given on the reverse side

## HBL300

- Lifting height of 300 mm
- Optimum solution for 2 steps
- Robust and compact design
- Standard power connection (230V/10A)



| Model                   | HBL300  |   |
|-------------------------|---|---|
| Passage                 |  |  |
| Type                    | Type G  | Type E  |
| Design                  | Straight  | Over corner   |
| <b>Dimensions in mm</b> |   |   |
| Lifting height          | up to 300   | up to 300   |
| Ascent height app.      | 40  | 40  |
| Total height            | 490   | 490   |
| Total width             | 1055  | 1075  |
| Total length            | 1460  | 1440  |
| Platform width          | 800   | 800   |
| Platform length         | 1170  | 1170  |
| Load capacity           | 225 kg  | 225 kg  |
| Speed, load-based       | app. 0.02 m/s   | app. 0.02 m/s   |
| Power connection        | 230V / 10A  | 230V / 10A  |
| Weight                  | app. 90 kg  | app. 90 kg  |

## Equipment

### ▼ Standard



Cable remote control



Grinding plate/rear wall



Lift counter & Emergency-Stop

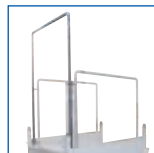
### ▼ Optional at extra cost



Hand-held transmitter with toggle switch



Railings (with or without stuffing)



Safety clamp, moveable (as fall protection)



Gate (for Types G and E at the upper exit)



Transport rollers for mobile use



Control panels

Further accessories can be found on Page 1 "Technical data and equipment" as well as before the order forms in this chapter.



For queries and orders please use the appropriate forms at the end of the chapter



## **The HBL 600. It masters the daily routine reliably and robustly**

Despite its height, this lifting device is very compact and thanks to its straight or over corner designs, it can be integrated rather well in the existing residential situations.

The weather-resistant materials make this lifting device a reliable companion.



Accessories and technical details can be found on the reverse side.



## HBL600 Lifting device

- Lifting height of 600 mm
- Optimum solution for 3 steps
- Robust and compact design
- Standard power connection (230V/10A)



| Model                   | HBL600        |               |
|-------------------------|---------------|---------------|
| Passage                 |               |               |
| Type                    | Type G        | Type E        |
| Design                  | Straight      | Over corner   |
| <b>Dimensions in mm</b> |               |               |
| Lifting height          | up to 600     | up to 600     |
| Ascent height app.      | 40            | 40            |
| Total height            | 940           | 940           |
| Total width             | 1055          | 1075          |
| Total length            | 1460          | 1440          |
| Platform width          | 800           | 800           |
| Platform length         | 1170          | 1170          |
| Load capacity           | 225 kg        | 225 kg        |
| Speed, load-based       | app. 0.02 m/s | app. 0.02 m/s |
| Power connection        | 230V / 10A    | 230V / 10A    |
| Weight                  | app. 100 kg   | app. 100 kg   |

## Equipment

### ▼ Standard



Cable remote control



Lapping plate/rear wall



Lift counter & emergency stop



Railings (optional with stuffing)

### ▼ Optional at extra cost



Handheld transmitter with toggle switch



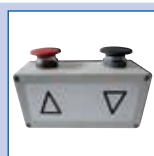
Safety clamp, moveable (as fall protection)



Gate (for Types G and E at the top exit)



Transport rollers for mobile use



Control panels

Further accessories can be found on Page 1 "Technical data and Equipment", as well as before the order forms in this chapter.



For queries and orders, please use the appropriate forms at the end of the chapter

# HBL 1000 - the lifting device for large height differences



## The HBL 1000: If the height appears insurmountable...

Barriers of 1 meter and higher cannot be overcome with ramps any more. The HBL1000 offers the optimum solution here.

It offers comfortable height equalization with its lifting height. And its standard railings offer the required safety too.



Accessories and technical data can be found on the reverse side

## HBL1000 Lifting device

- Lifting height up to 1,000 mm
- Optimum solution for high barriers
- Robust and compact design
- Standard power connection (230V/10A)



| Model              | HBL1000                              |                                      |
|--------------------|--------------------------------------|--------------------------------------|
| Passage            |                                      |                                      |
| Type               | Type G                               | Type E                               |
| Design             | Straight                             | Over corner                          |
| Dimensions in mm   |                                      |                                      |
| Lifting height     | up to 1000                           | up to 1000                           |
| Ascent height app. | 40                                   | 50                                   |
| Total height       | 1240 <sup>1</sup> /1190 <sup>2</sup> | 1240 <sup>1</sup> /1190 <sup>2</sup> |
| Total width        | 1155                                 | 1175                                 |
| Total length       | 1710                                 | 1730                                 |
| Platform width     | 900                                  | 900                                  |
| Platform length    | 1420                                 | 1420                                 |
| Load capacity      | 225 kg                               | 225 kg                               |
| Speed, load-based  | app. 0.02 m/s                        | app. 0.02 m/s                        |
| Power connection   | 230V / 10A                           | 230V / 10A                           |
| Weight             | app. 180 kg                          | app. 180 kg                          |

<sup>1</sup> If railing without stuffing

<sup>2</sup> If railing with plastic stuffing

## Equipment

### ▼ Standard



Cable remote control



Grinding plate/rear wall



Lift counter and emergency stop

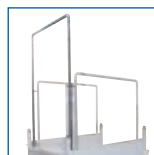


Railings (optional with stuffing)

### ▼ Optional at extra cost



Handheld transmitter with toggle switch



Safety clam, moveable (as fall protection)



Gate (for Types G and E at the top exit)



Transport rollers for mobile use



Control panels

Further accessories can be found on Page 1 "Technical data and Equipment", as well as before the order forms in this chapter



For queries and orders, please use the appropriate forms at the end of the chapter




## The gate for more safety

- Gate with mechanical lock and electrical monitoring made of stainless steel tubing with plastic stuffing
- The door remains locked during descent. The lift cannot be operated when the door is open. (Magnet protection switch)
- Serves as fall protection

HBL Type G = Gate integrated permanently with HBL

HBL Type E = Gate must be mounted on a stable/solid platform

 For queries and orders, please use the appropriate forms at the end of the chapter

# Accessories - extensions for your lifting device



## Gate

For the top entry and exit as fall protection

## Available for

HBL 300, 600, 1000



## Railings

For safe hold on the lifting platform

## Available for

HBL 300, 600, 1000



## Railing stuffing

as wind- and splash guard.  
Material: PET

## Available for

HBL 300, 600, 1000



## Bridging ramp

To equalize 1-2 steps

## Available for

HBL mini, 300, 600



## Stepequalizingplatform

To equalize 3-6 steps

## Available for

HBL 600, 1000  
as 3-4 or 5-6  
step version



## Transport rollers

For the mobile use of the lifting device

## Available for

HBL mini, 300, 600, 1000



## Safety clamp, moveable

as fall protection

## Available for

HBL 300, 600, 1000



## Control panels

Comfortable control of the lifting operation, as wireless or cable managed variant.

The magnet pins serve as key and protection against unauthorized use

## Available for

HBL 300, 600, 1000  
HBL mini on request



With roofing for the outdoor area.

Mushroom button or as joystick version (with and without magnet pin)



## Wireless remote control with toggle switch

Protection against unauthorized use and as control panel for helpers

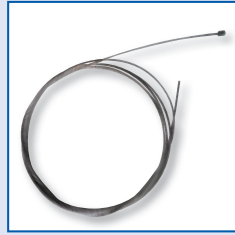
## Available for

HBL mini, 300, 600, 1000



For queries and orders, please use the appropriate forms at the end of the chapter

# Worn parts - replacement after material wear and tear



**Bowden cables**



**Elastic rubber bands**



**Rollers**



**Ascent flap**

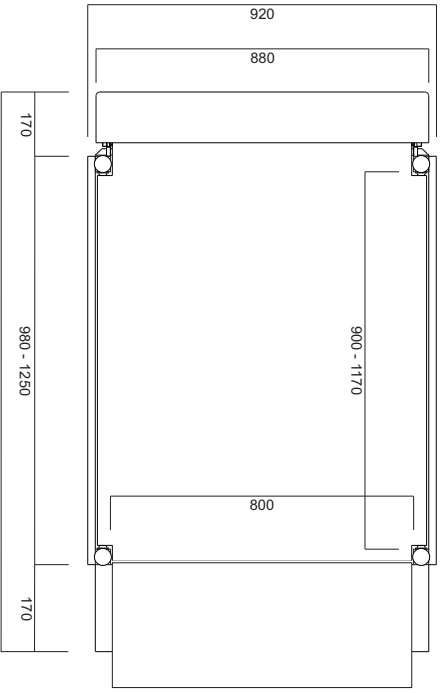
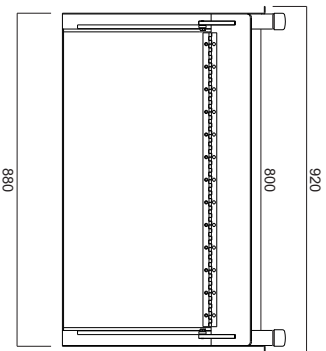
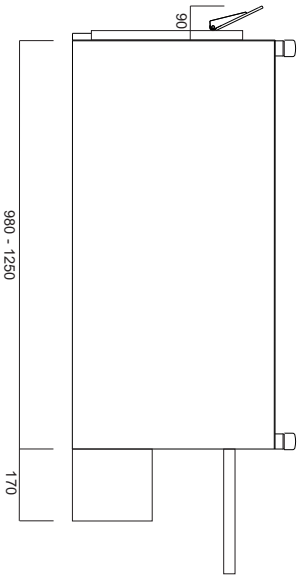
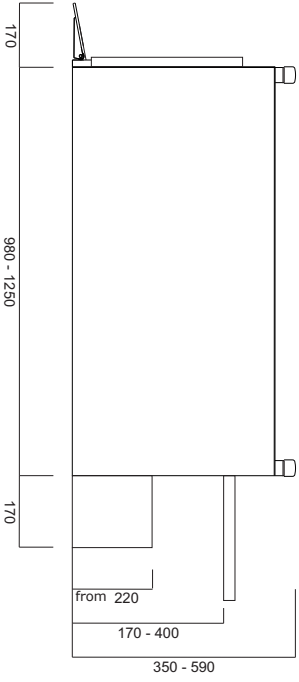


**Magnet pin**




For queries and orders, please use the appropriate forms at the end of the chapter

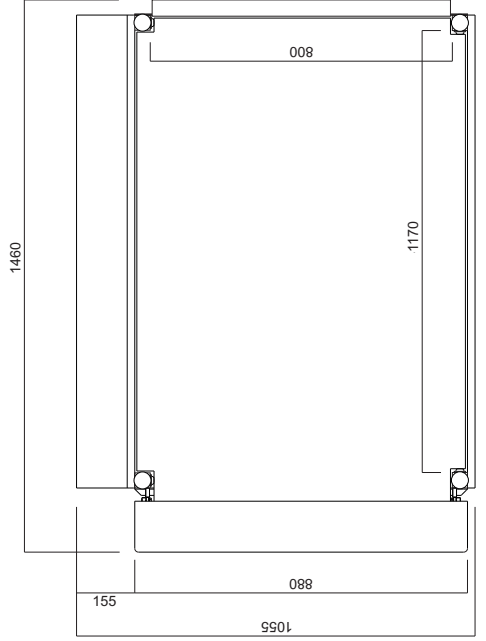
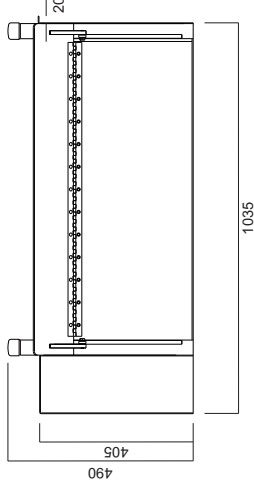
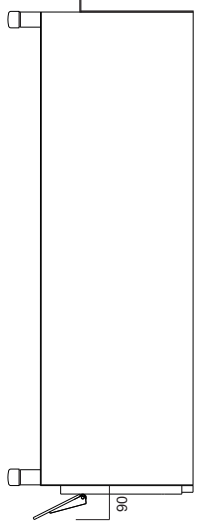
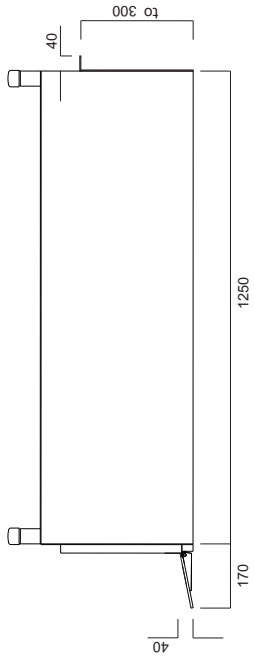





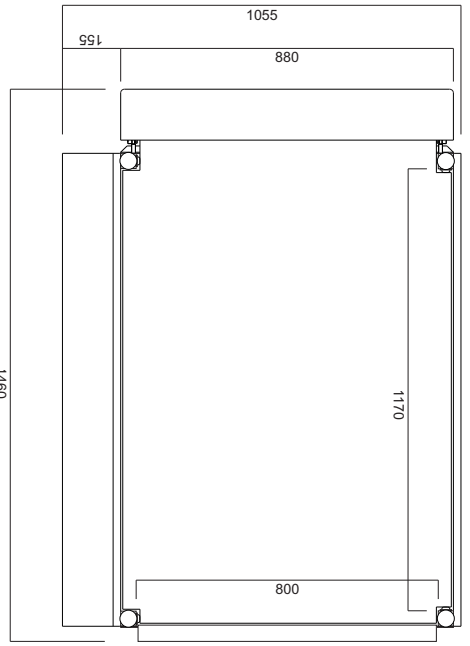
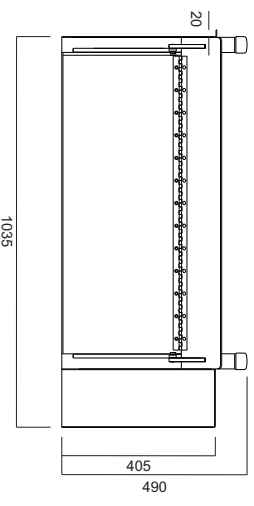
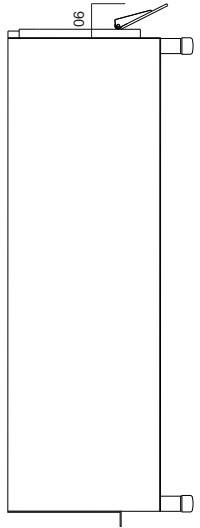
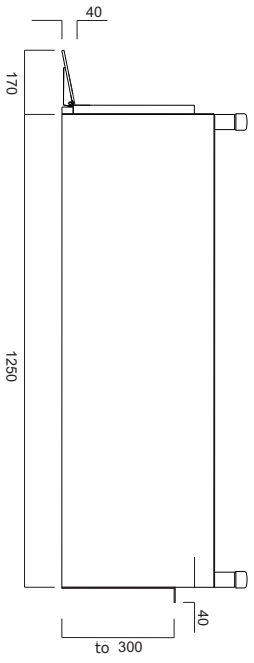
980 - 1250  
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| <br>Leibniz-Institut für<br>Mechatronik |         |      |      | all dimensions in mm |         |
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| resp.  | changes | date | name | date                 | name    |
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| HBLmini<br>Motor housing vertical  |         |      |      |                      |         |
|  |         |      |      | page                 | 1       |





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| <br><b>Lehmann</b><br>Reliabilkompann & Hebeallee |         | date    |         | name |  | all dimensions in mm |
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| resp.  | changes | date    | name    |      |  |                      |



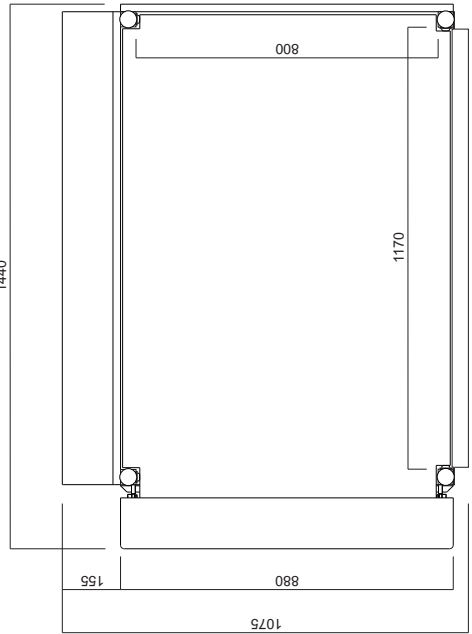
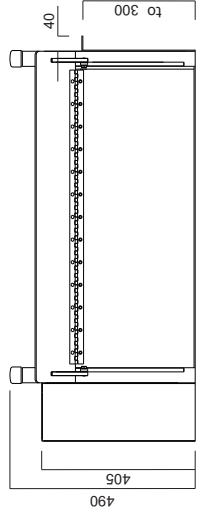
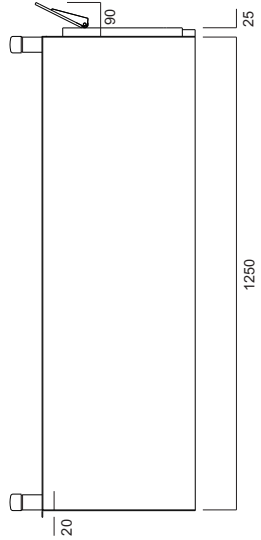
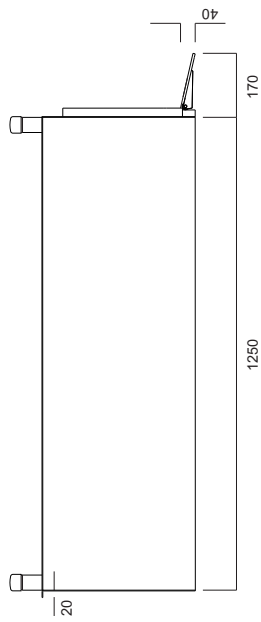
all dimensions in mm

**Lehmann**  
Getrieblösungen & Industrie

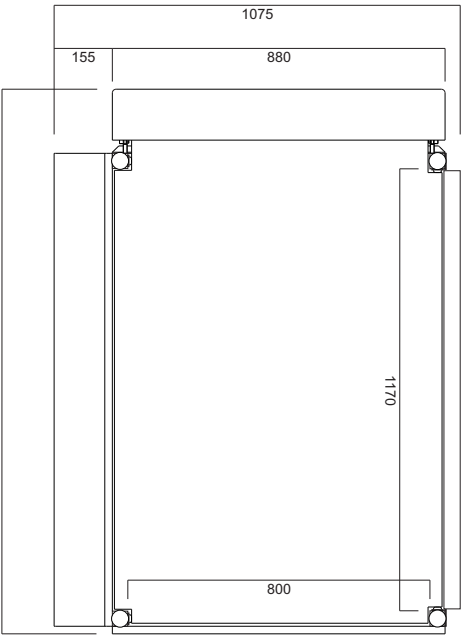
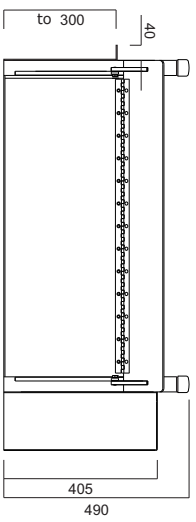
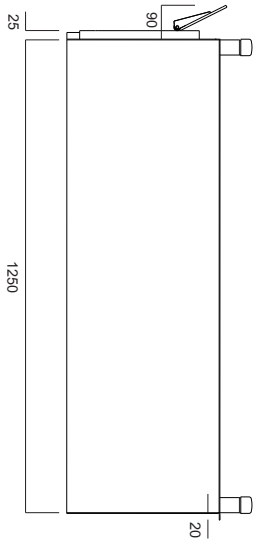
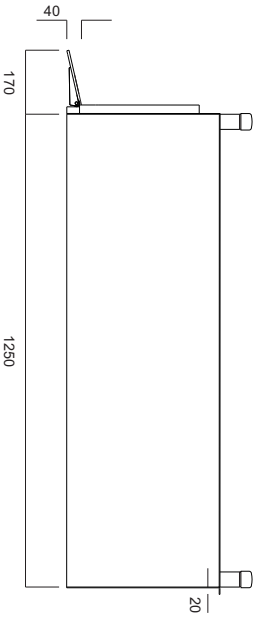
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| name    |  | date    | 09/2012 |
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HBL 300 Type G  
Motor housing right

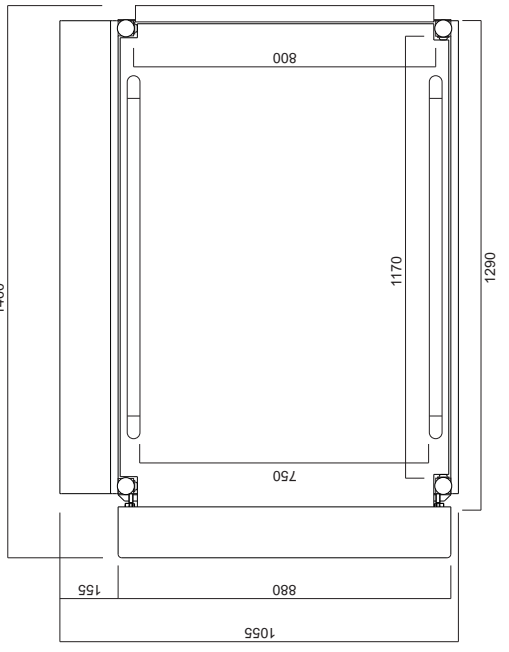
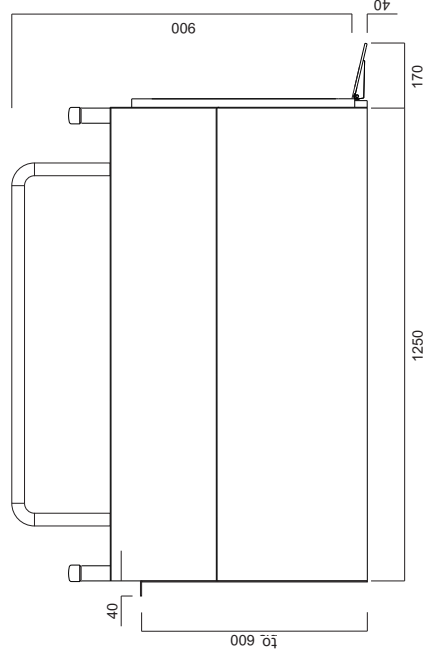
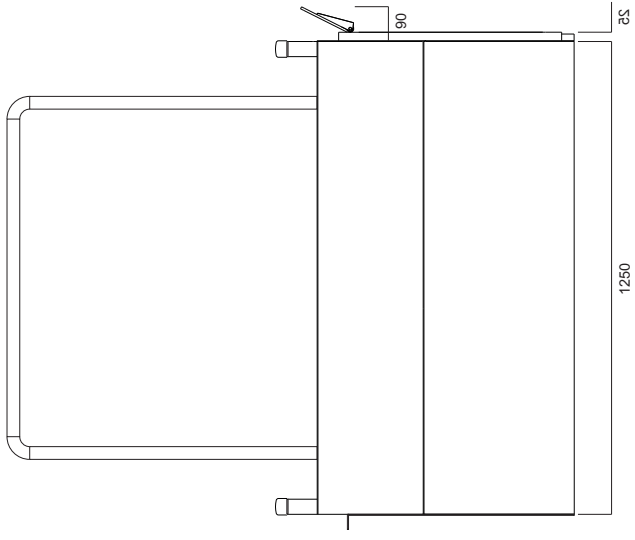
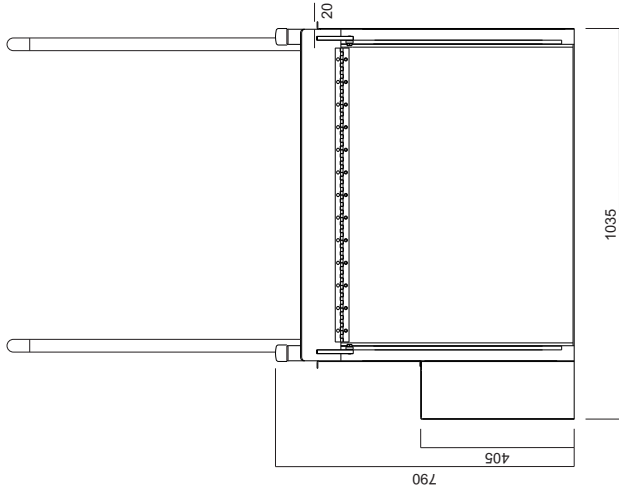
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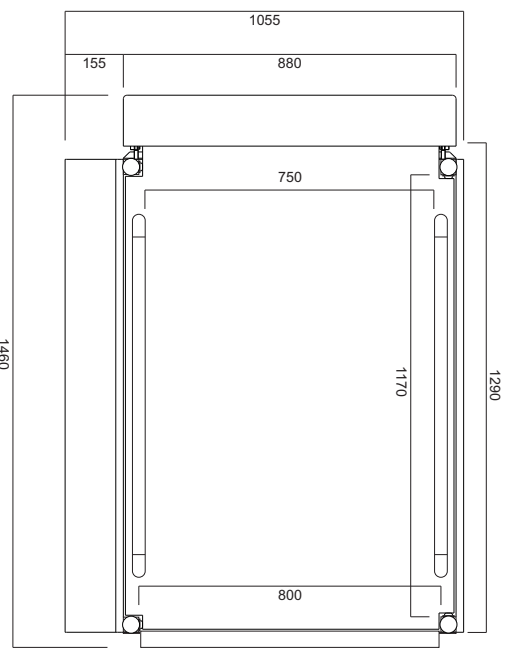
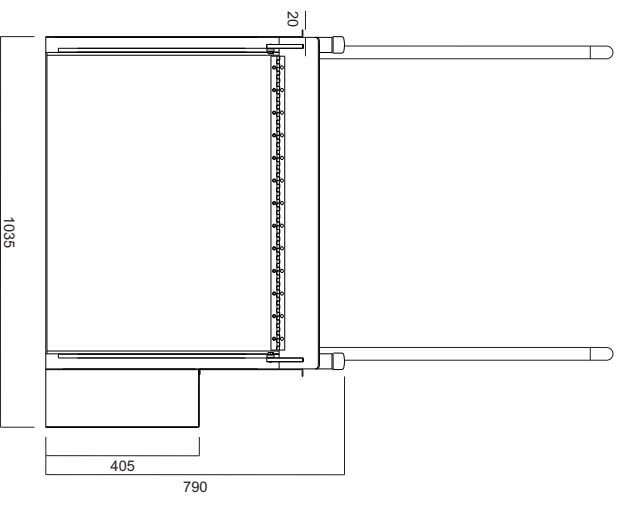
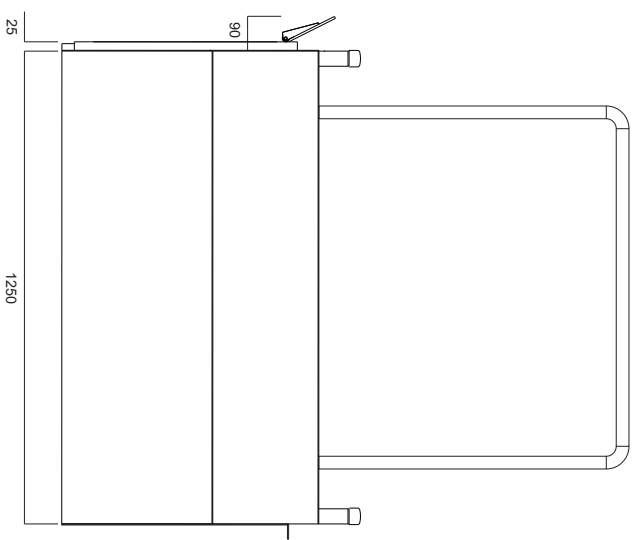
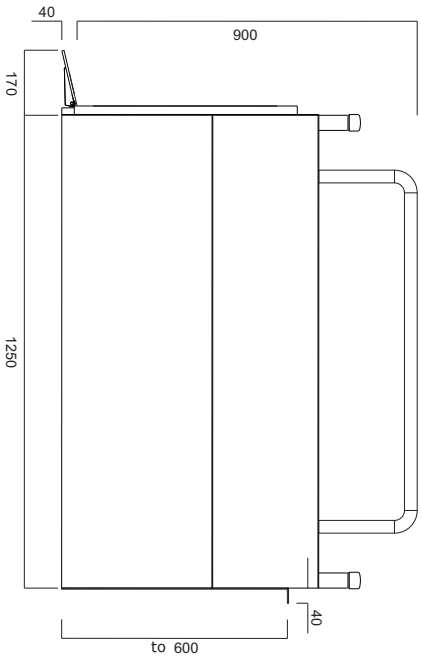
| Lehmann<br><small>Rollschlumpfen &amp; Maschinen</small> |         | date |  | name |  | all dimensions in mm |                                      |
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| checked  |         |      |  |      |  |                      |                                      |
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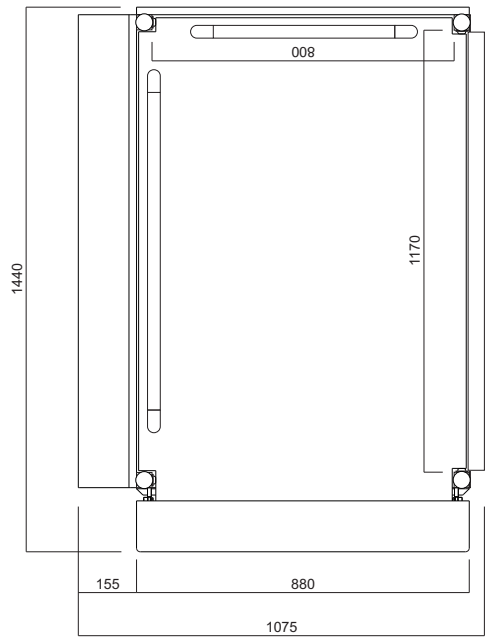
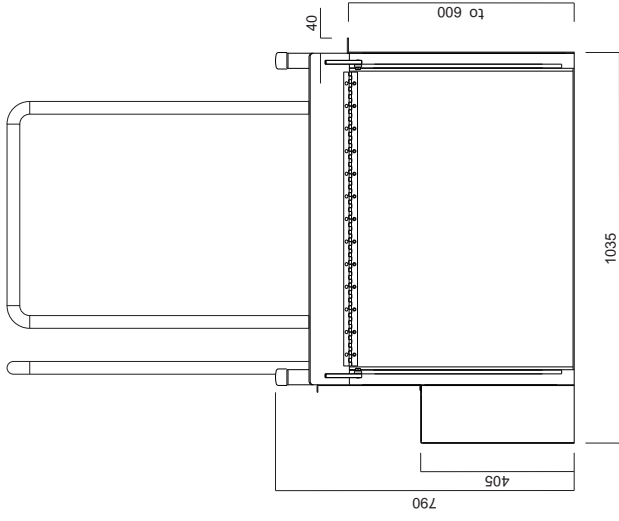
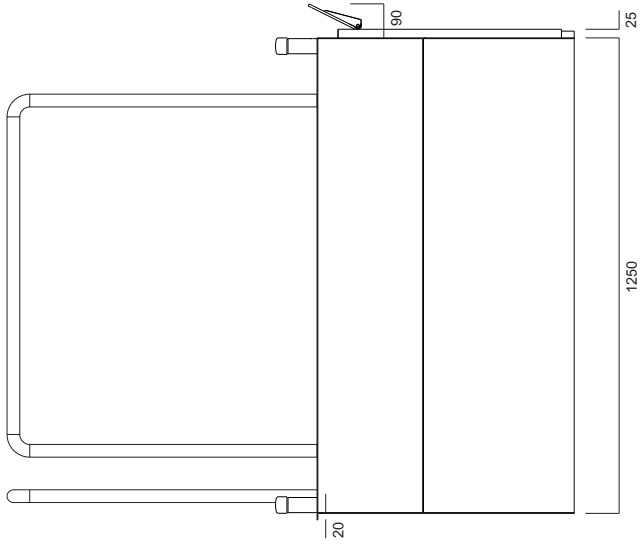
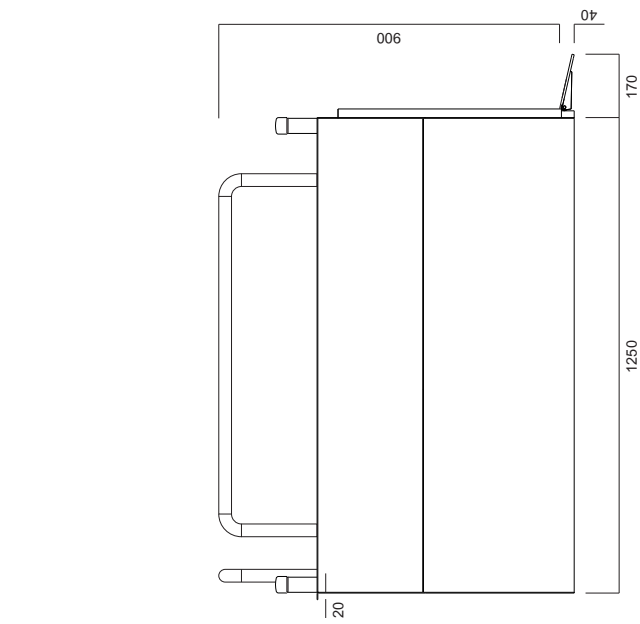
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| <br>Getuldhuisman & Industrie |         | name    |      | all dimensions in mm                  |  |  |
|  |         | date    | name | HBL 300 Type E<br>Motor housing right |  |  |
| edited   | 09/2012 | checked |      |                                       |  |  |
| checked  |         | norm    |      |                                       |  |  |
| resp.  | changes | date    | name |                                       |  |  |
|  |         |         |      | page 1                                |  |  |



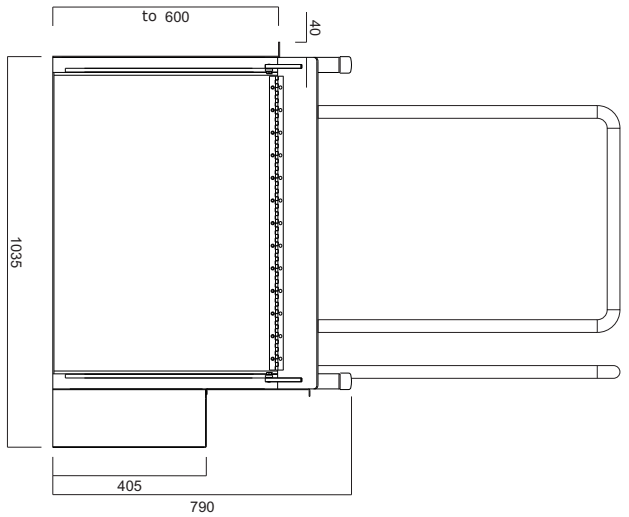
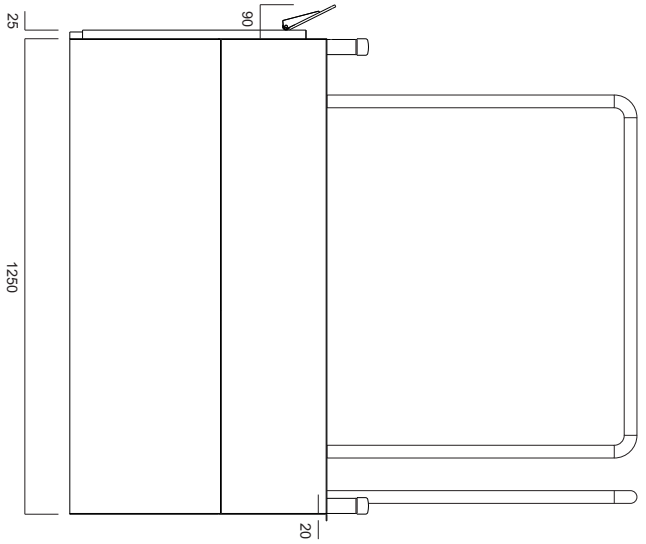
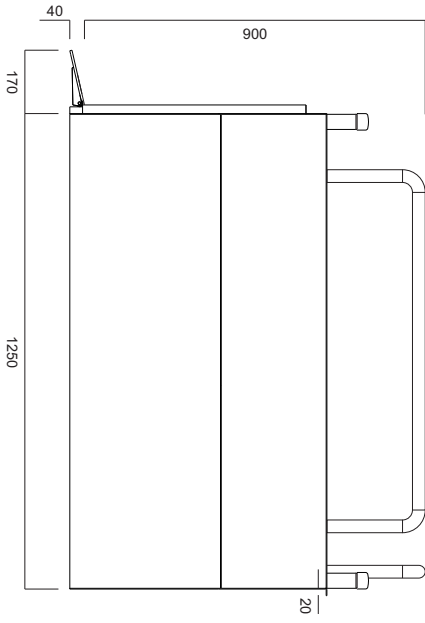
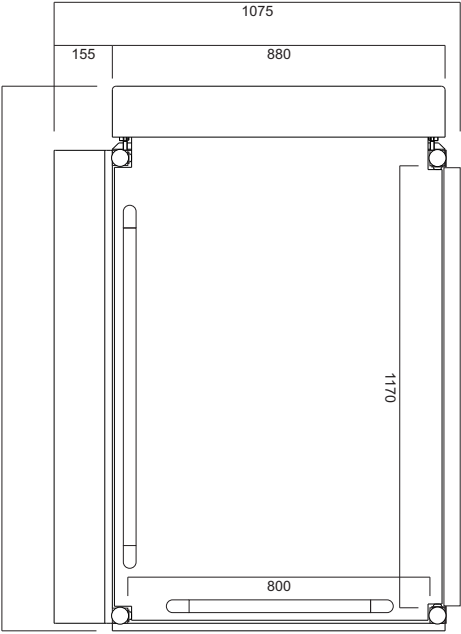
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| <br><b>Lehmann</b><br>Realtechniksysteme & Maschinenbau |  | edited 09/2012<br>checked norm       |  | date<br>name            |  | all dimensions in mm |
|  |  | HBL 600 Type G<br>Motor housing left |  | resp. changes date name |  |                      |
|  |  |                                      |  |                         |  | page<br>1            |
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| <br>Getrieblösungen & Industrie |         |      | all dimensions in mm |         |           |
| resp.  | changes | date | name                 | date    | name      |
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| HBL 600 Type G<br>Motor housing right  |         |      |                      |         | page<br>1 |

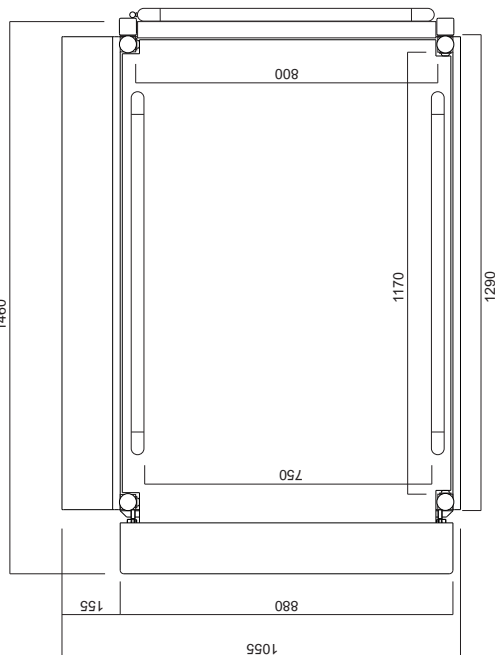
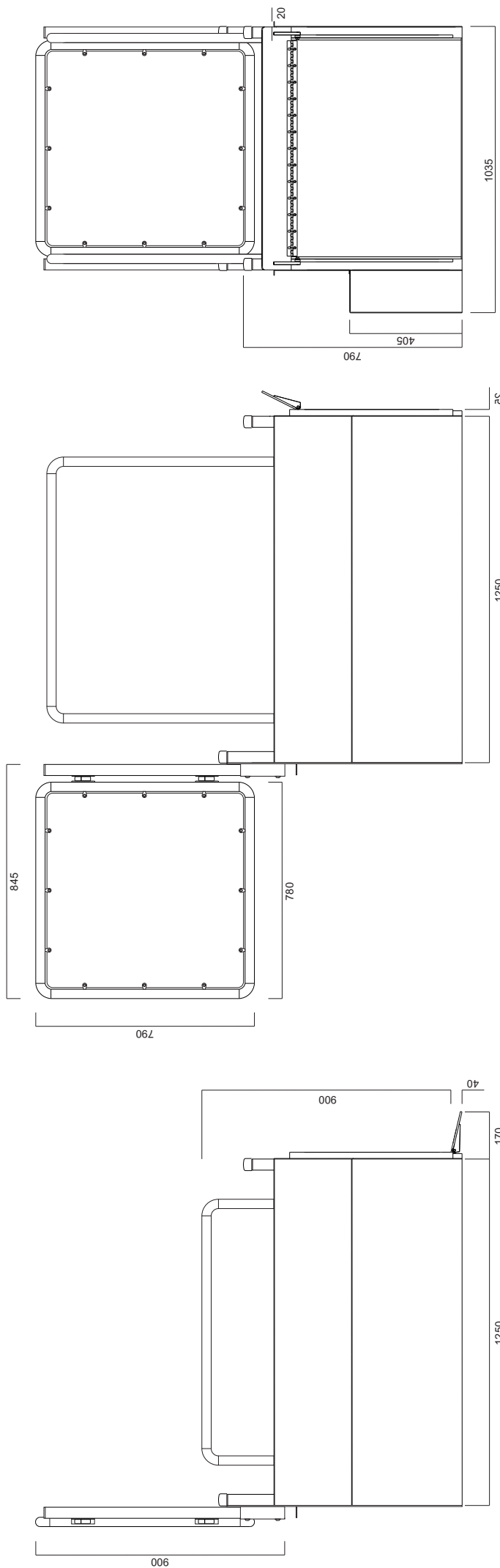


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|       |         | 09/2012 |      |         |      | HBL 600 Type E<br>Motor housing left |
|       |         |         |      |         |      |                                      |
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| resp. | changes | date    | name | page    |      | 1                                    |

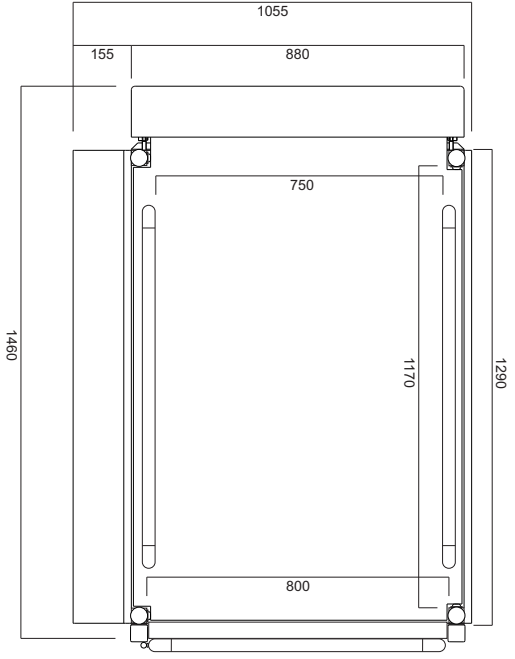
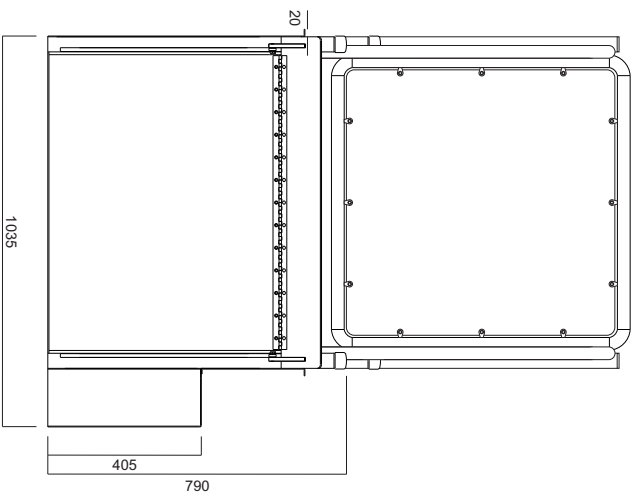
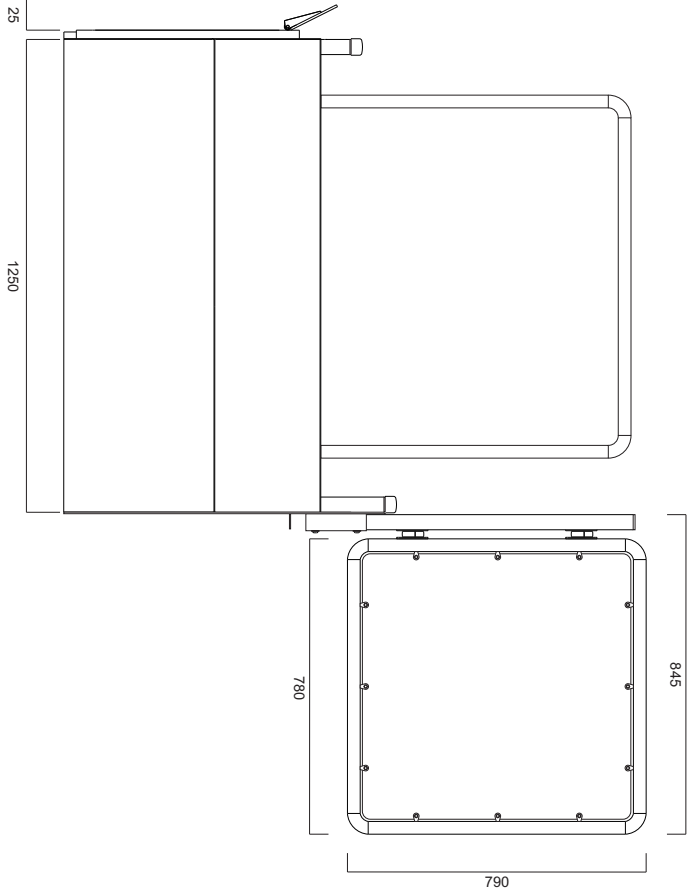
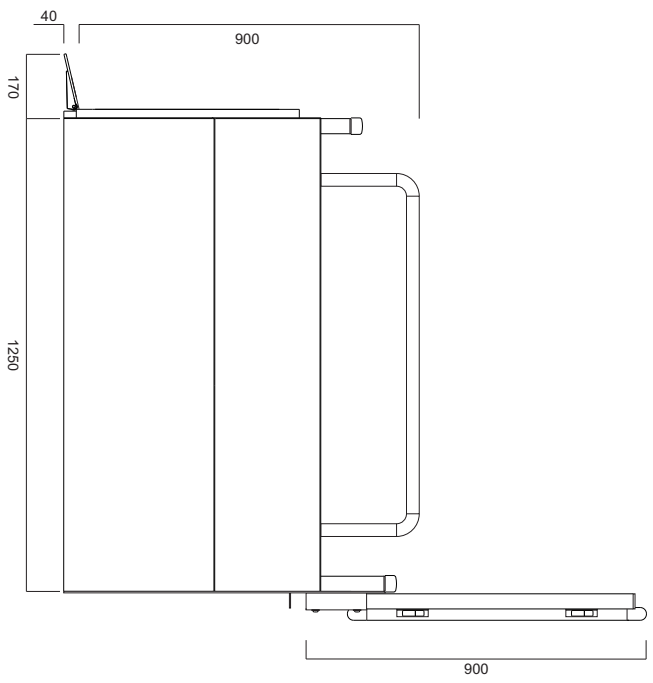


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| <br>Geschäftsbereich Maschinenbau |         |      |      | all dimensions in mm |      |
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| HBL 600 Type E<br>Motor housing right  |         |      |      | page                 | 1    |
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| Lehmann<br>Rechtshilfen & Maschinenbau         |         |      | date |         | name |      |
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| HBL 600 Type E with gate<br>Motor housing left |         |      |      |         |      | page |
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| all dimensions in mm                           |         |      |      |         |      |      |

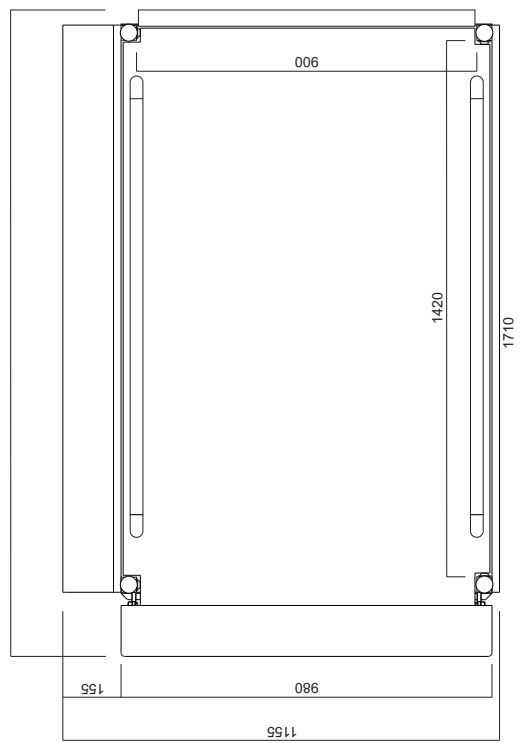
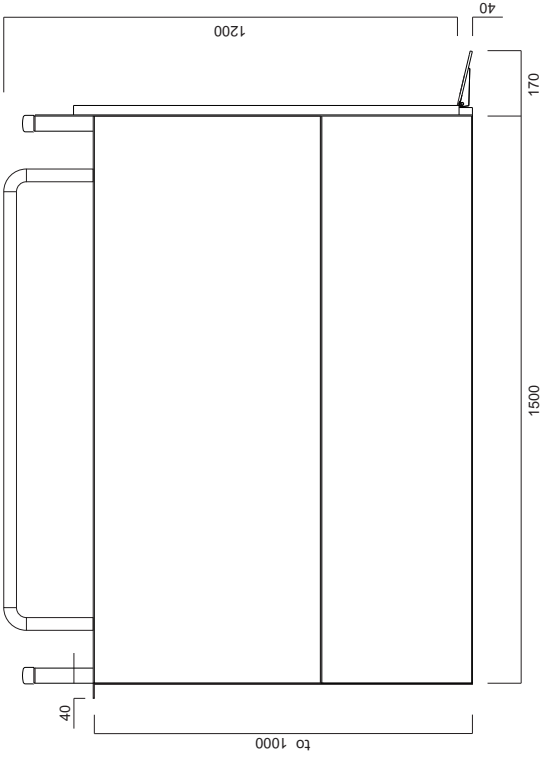
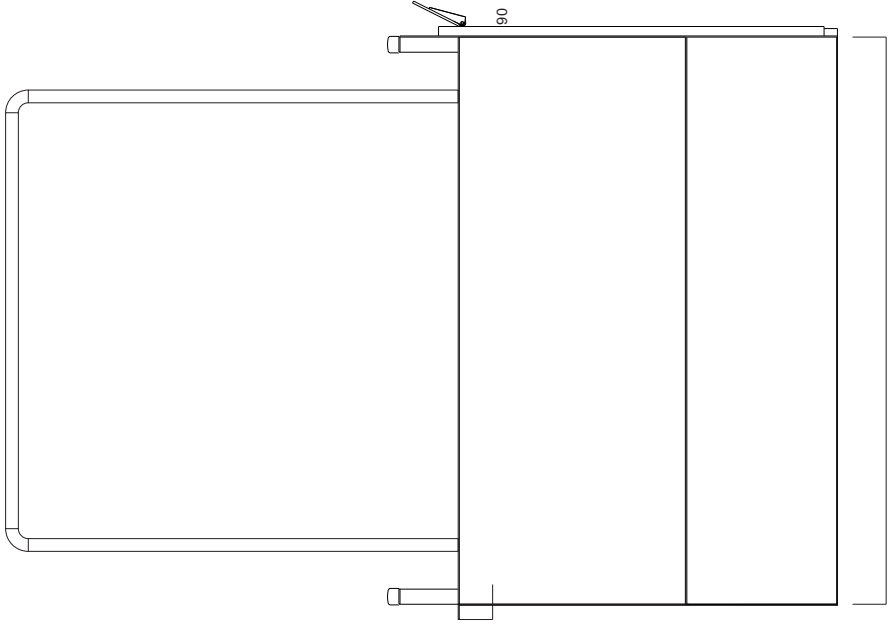
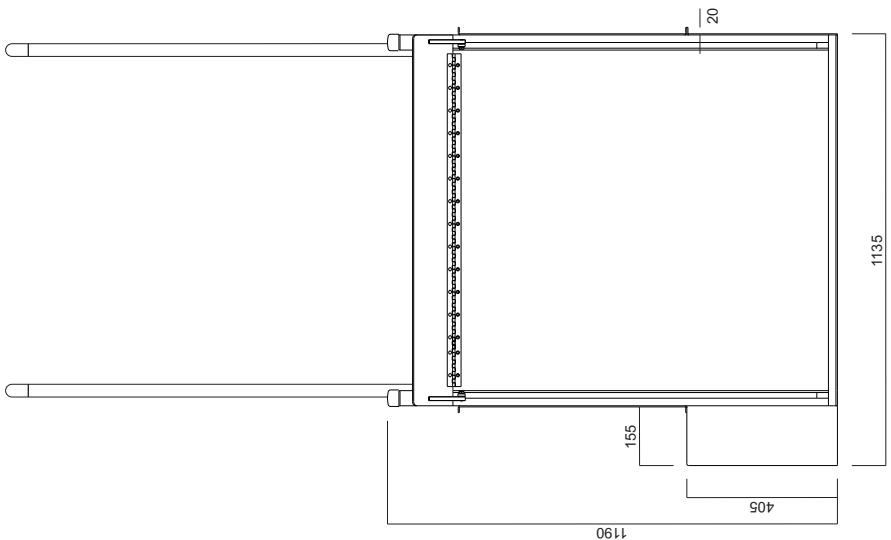



| resp. | changes | date | name | date    | name | all dimensions in mm |
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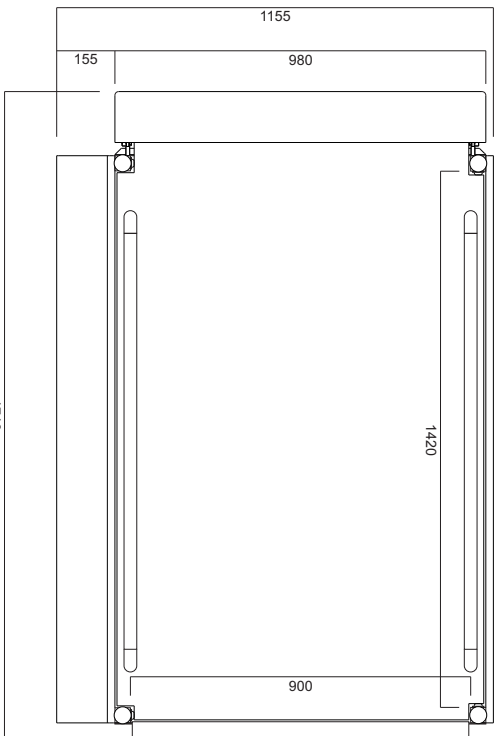
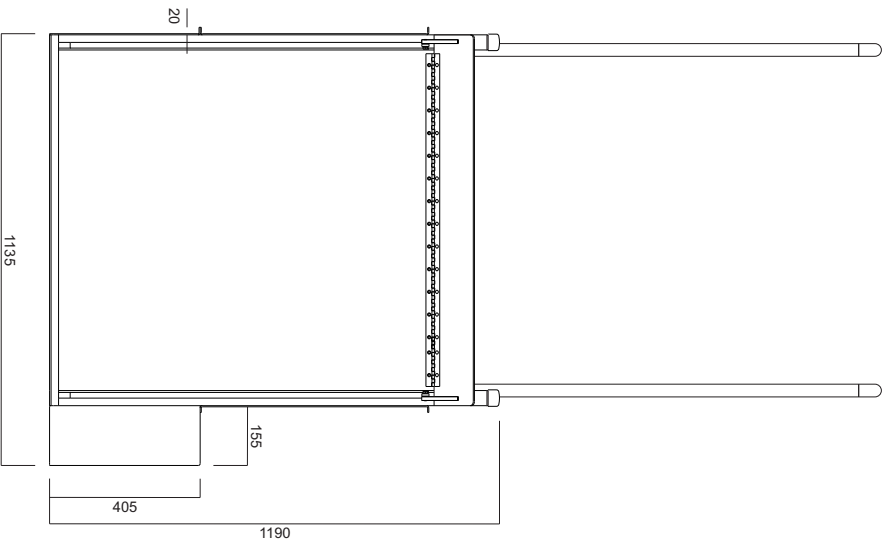
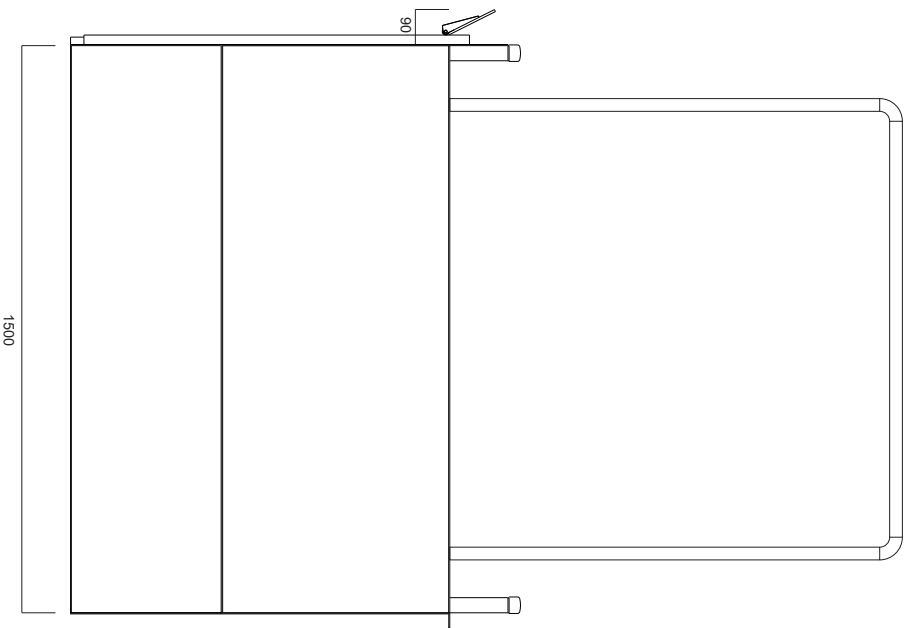
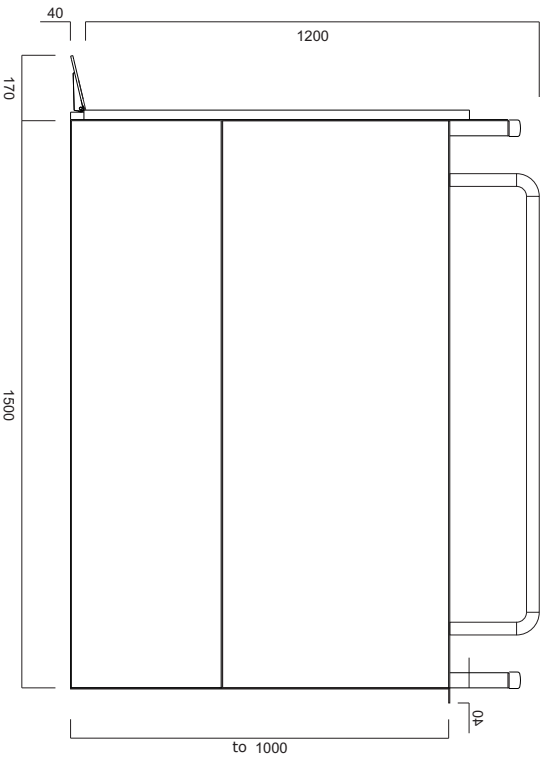
HLB 600 Type G with gate  
Motor housing right

page 1





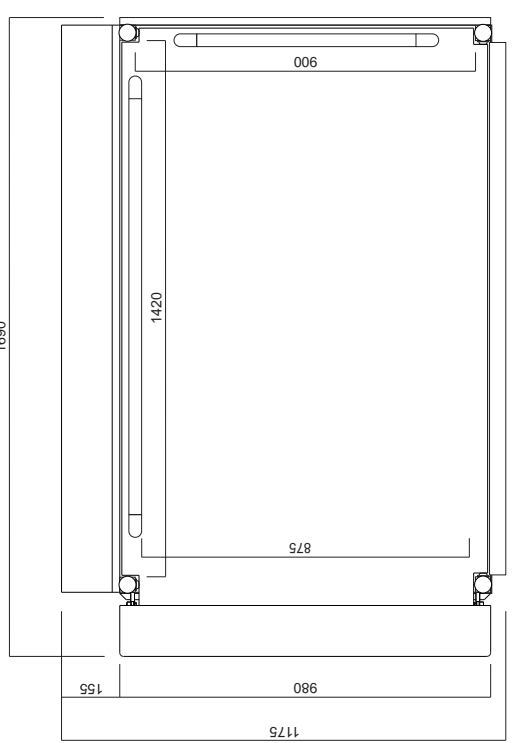
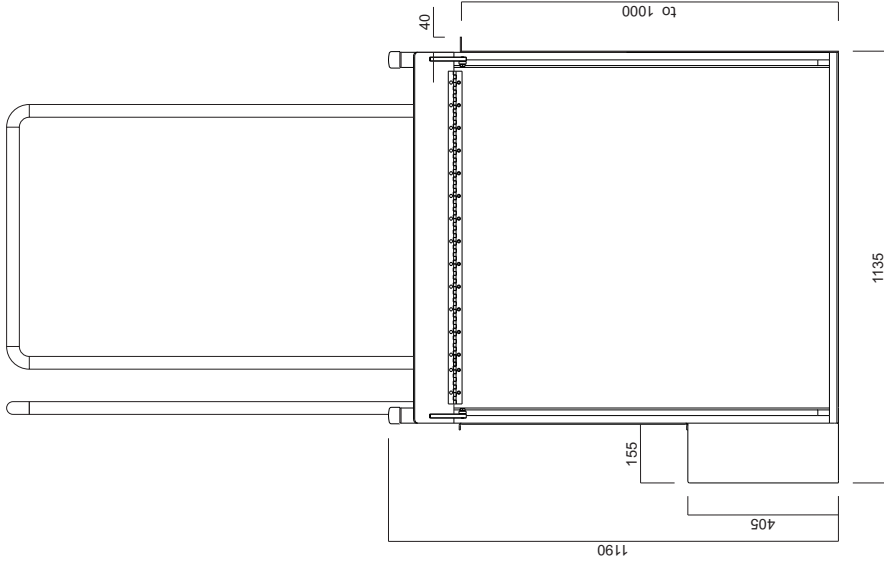
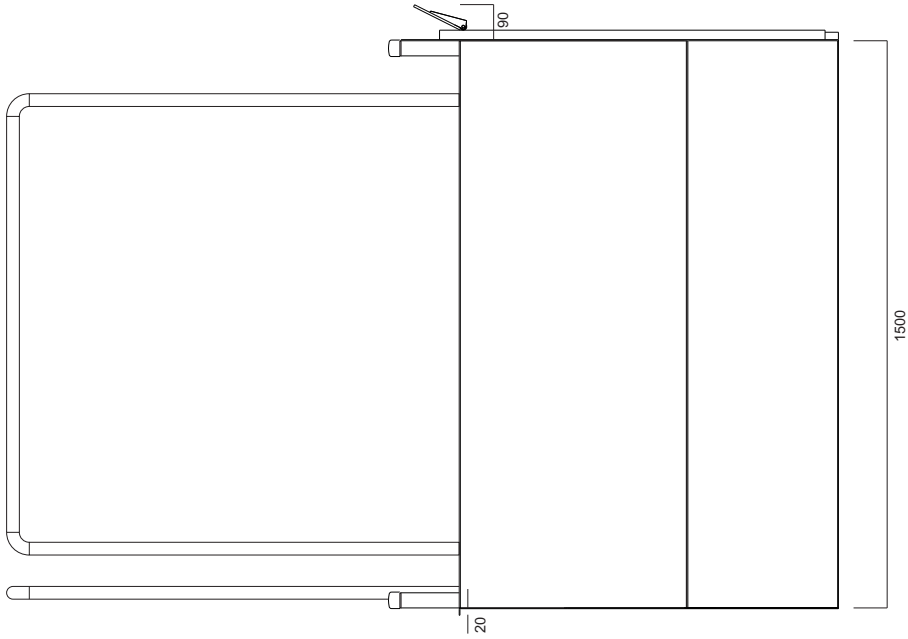
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| <br><b>Lehmann</b><br><small>Reinhold Kampen &amp; Hebelkaffe</small> |  |      | name<br>date                   |  | all dimensions in mm |
|  |  |      | edited 09/2012<br>checked norm |  |                      |
| resp. changes  |  | date |                                | name   |                      |
|  |  |      |                                | HBL 1000 Type G<br>without railing in fill<br>Motor housing left |                      |
|  |  |      |                                | page 1   |                      |



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| <br>Beschäftigten & Industrie |  | date    |         | name | all dimensions in mm |  |
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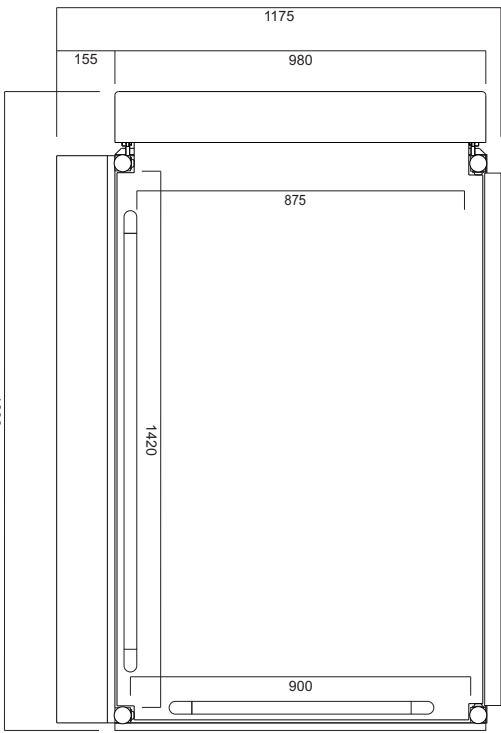
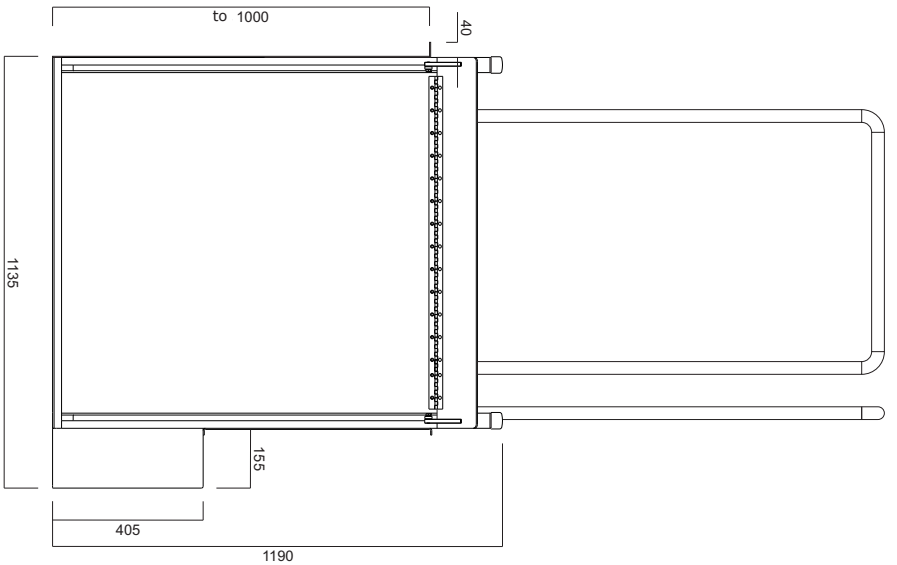
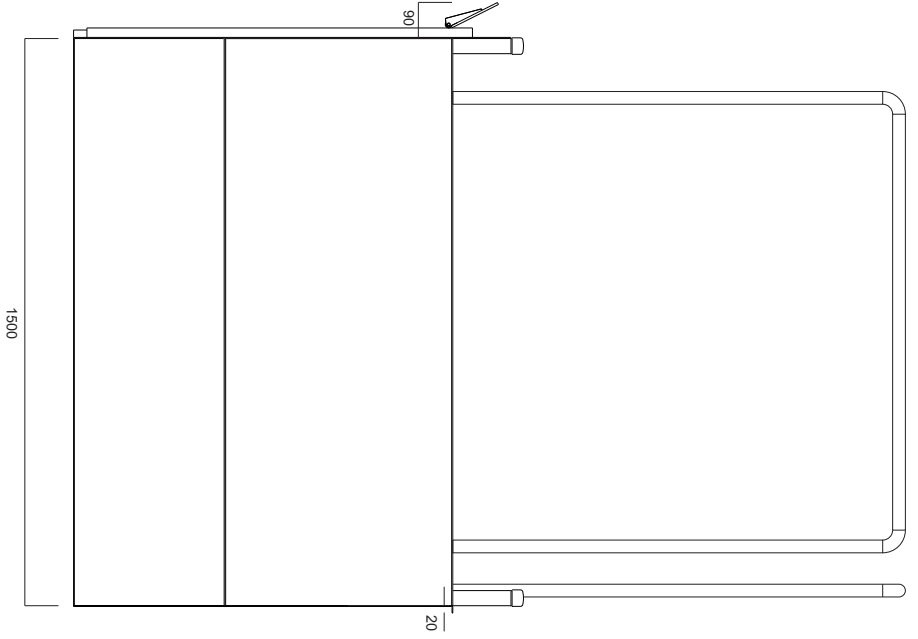
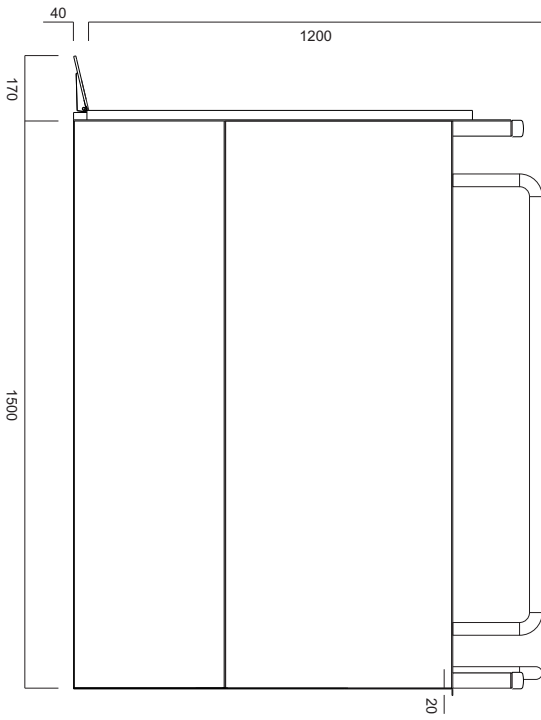
HBL 1000 Type G  
without railing infill  
Motor housing right

| resp. | changes | date | name |  |  |  |
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| edited 09/2012<br>checked<br>norm                               |  |  |  | date<br>name |  | all dimensions in mm |  |
| HBL 1000 Type E<br>without railing infill<br>Motor housing left |  |  |  |              |  | page<br>1            |  |



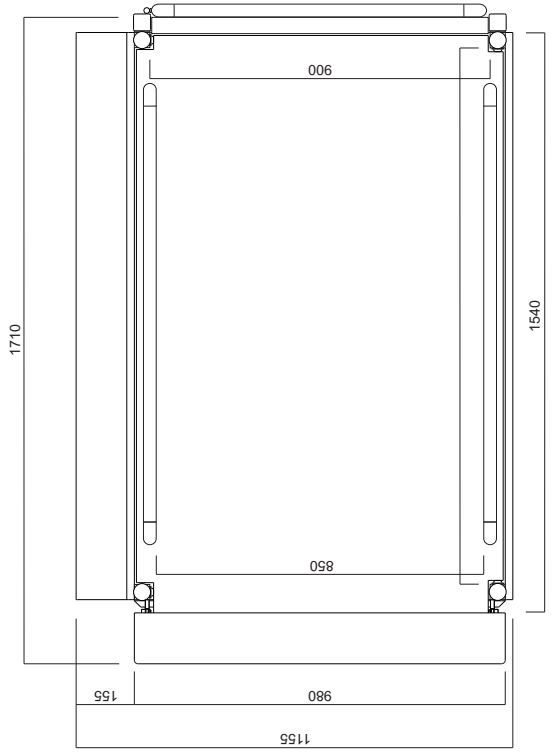
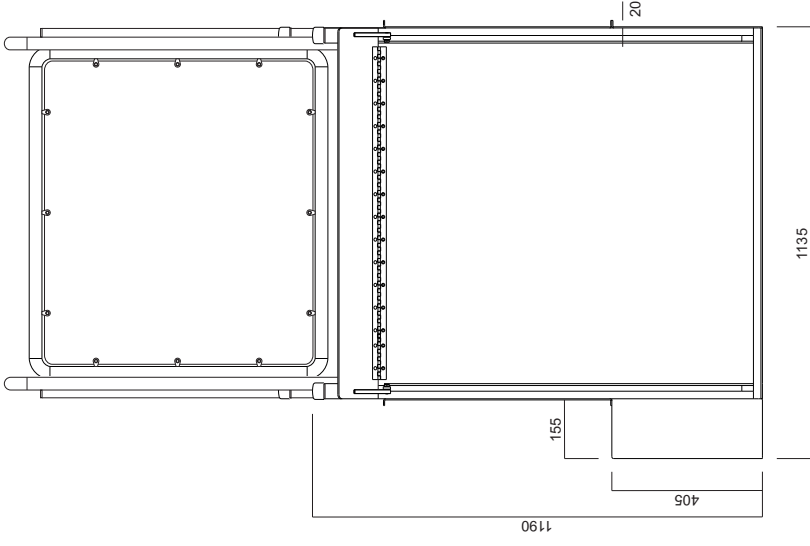
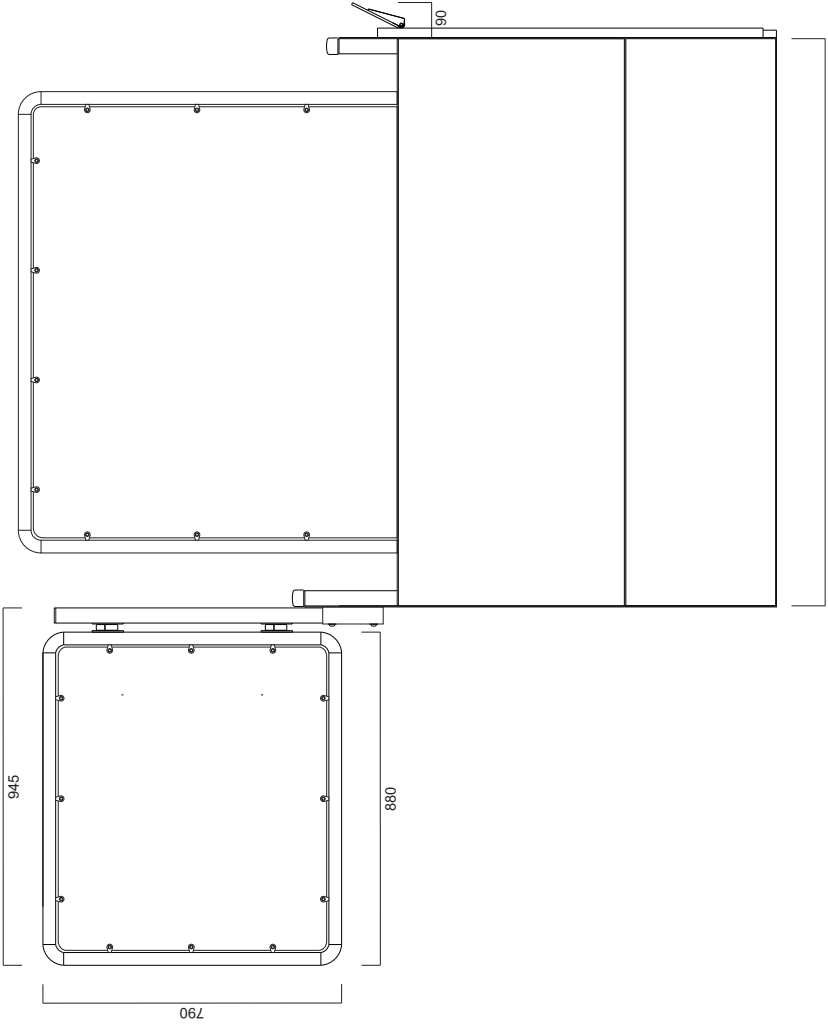
all dimensions in mm




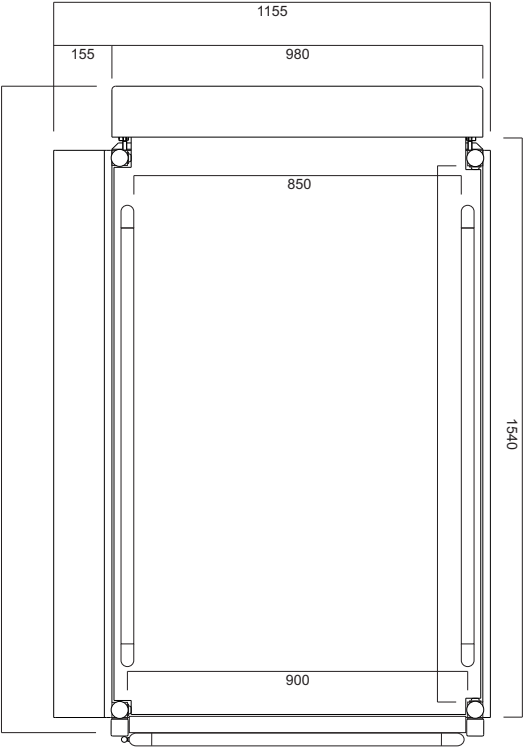
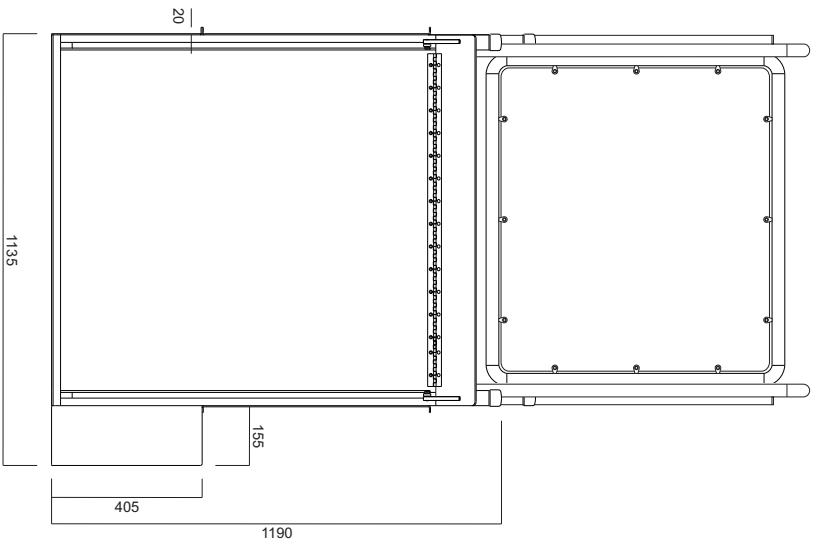
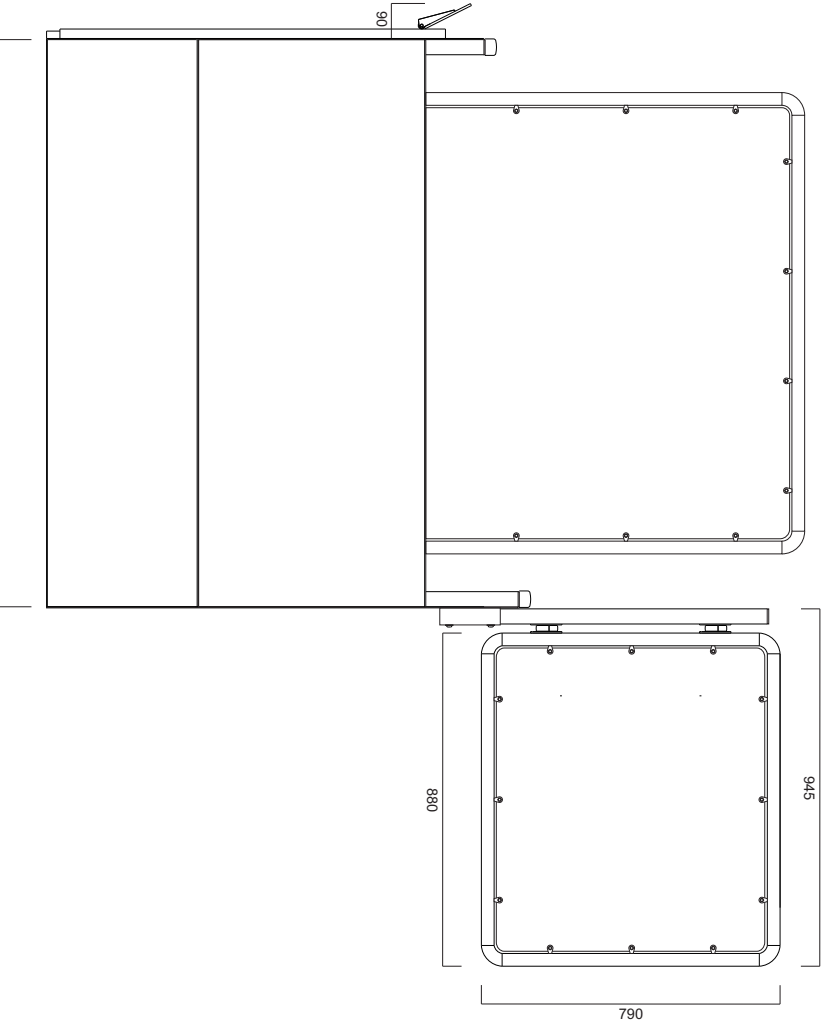
Getulielėnų & Medavičiū


| resp. | changes | date | name | date           | name |
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HBL 1000 Type E  
without railing infill  
Motor housing right



|   |  |         |         |      |      |
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| <br><b>Lehmann</b><br>Realitätssysteme & Metallbau |  | resp.   | changes | date | name |
|   |  |         |         |      |      |
| all dimensions in mm  |  |         |         |      |      |
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| HBL 1000 Type G with gate<br>and railing infill<br>Motor housing left   |  |         |         |      |      |
|   |  |         |         |      | page |
|   |  |         |         |      | 1    |



| <br>Lehmann<br>Getriebe-Technik GmbH & Co. KG |         |      |      |         | all dimensions in mm |      |      |   |
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| resp.  | changes | date | name |         | date                 | name |      |   |
|  |         |      |      | edited  | 09/2012              |      |      |   |
|  |         |      |      | checked |                      |      |      |   |
|  |         |      |      | norm    |                      |      |      |   |
| HBL 1000 Type G with gate<br>and railing infill<br>Motor housing right   |         |      |      |         |                      |      | page | 1 |



## DEFINITION:

The HBL Series lifting devices are lifts in the sense of the Machine Directive with CE conformity, and not elevators in the sense of the Elevator Regulation. Special approvals or a TÜV acceptance are therefore not required.

This however, gives rise to limitations that must be observed without fail.

## PROPER USE:

- A precondition for the use of lifting devices is that the user or operating staff must be trained. Uncontrolled use of the lift should not be attempted.
- Chapters 1.2 "Proper use" and chapter 2 "Safety" in the operating instructions must be observed under all circumstances.

## THE FOLLOWING CONDITIONS ARE APPLICABLE DUE TO THE DESIGN:

- The HBL Series lifting devices are designed to carry one person sitting in a wheelchair or rollator
- Only this person should be in the lift sitting either in the wheelchair or a rollator during the lifting operation.
- Carrying standing persons is not allowed.
- Any use beyond this, such as transporting loads, is not allowed.
- The dimensions, supported load and speed are technically conditioned
  
- To avoid thermal overload, the drive unit is equipped with a fuse. Depending on the type of lift and the load, app. 5 lifting operations can be performed one after the other. If this fuse trips, the drive unit must be cooled for app. 60 minutes. The lift can be used again after this cooling period.
  
- If the lifting device suffers an electrical or mechanical failure, preventive measures that enable the user to notify a helper should be taken.

## REQUIREMENTS OF THE SUPPORTING GROUND

- The lifting device must be set up on an even ground that is horizontal in all directions.
- It must have the required load bearing capacity (e.g., screed, concrete roof, tiles, plaster, etc.).
- Mounting on the floor or wall is not required.

## REQUIREMENTS OF THE INSTALLATION LOCATION






- The access routes (doors, hall corridors, garden gates ...) to the installation location must correspond to at least the width of the lifting device.
- A free space of at least 50 mm must be observed around the lifting device.  
The gap between wall and lifting device in the exit area should be max. 30 mm.
- It should be possible to remove the lifting device from the installation location for maintenance and repair. This should not be prevented by fixed installations or attachments around the lift.
- The operator must ensure that there are no risks due to the integration of the lifting device in the overall building situation.

## ELECTRICAL REQUIREMENTS

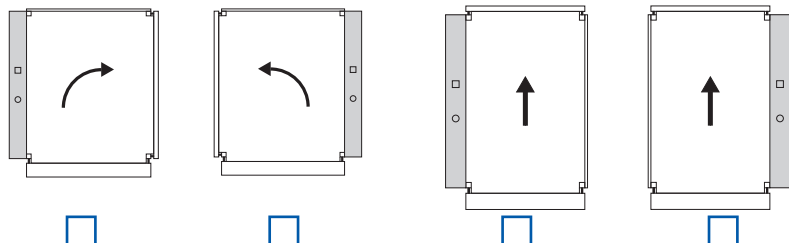
- The lifting device is connected to a 230 V socket (10A).
- The mains cable has a length of app. 2.5 m.
- Earthing according to VDE must be arranged in the outer area.

## MAINTENANCE

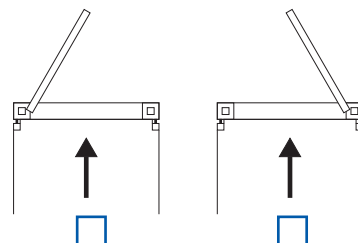
- Servicing is required at least once per annum or after app. 1,000 lifting operations. Lifting devices that are used in a special climatic environment, or that are exposed to the strong influence of sand, dust, foliage etc, should be serviced once every six months.
- Maintenance must be undertaken by the operator.
- The jobs required for maintenance should only be handled by authorized professionals.

| HBLmini   | HBL300  | HBL600  | HBL1000   |
|---|---|---|---|
| <br><input type="checkbox"/><br>Type G | <br><input type="checkbox"/><br>Type G | <br><input type="checkbox"/> <br><input type="checkbox"/><br>Type E | <br><input type="checkbox"/><br>Type G |

On which side should the motor unit be placed?



Opening direction of gate left or right?



**Lifting height:** \_\_\_\_\_ mm

## Accessories

- Cable remote control
- Radio receiver
- Handheld trans. with toggle switch
- Control panel with mushroom buttons
- Control panel with mushroom buttons and magnet pin
- Magnet pin
- Control panel with joystick
- Control panel with joystick and magnet pin
- Bridging ramp
- Gate at top exit
- Railings on the lift
- Plastic railing stuffing, transparent
- Safety clamp, moveable
- Transport rollers for mobile use
- Step equalizing platform 3-4 steps
- Step equalizing platform 5-6 steps
- Special drive for public areas

No. of units: \_\_\_\_\_

Cable    Wireless    bottom    on the lift    top

Cable    Wireless    bottom    on the lift    top

No. of units: \_\_\_\_\_

Cable    Wireless    bottom    on the lift    top

Cable    Wireless    bottom    on the lift    top

Length \_\_\_\_\_ cm (+ 10 cm support)

Step dimensions: step height \_\_\_\_\_ step depth \_\_\_\_\_ No. of steps \_\_\_\_\_

Step dimensions: step height \_\_\_\_\_ step depth \_\_\_\_\_ No. of steps \_\_\_\_\_

Please attach a sketch of the customer-side specifications!

\_\_\_\_\_  
Name

\_\_\_\_\_  
Contact

\_\_\_\_\_  
Street, House No.

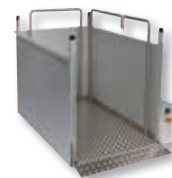
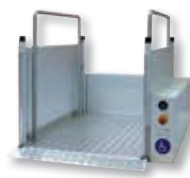
\_\_\_\_\_  
E-mail

\_\_\_\_\_  
Postcode, City, Country

\_\_\_\_\_  
Commission

\_\_\_\_\_  
Telephone / Fax

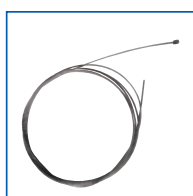
# Order form for spare parts / worn parts



Please copy

| Model   | HBLmini  |          | HBL300      |             | HBL600   |             | HBL1000  |             |
|---------|----------|----------|-------------|-------------|----------|-------------|----------|-------------|
| Passage |          |          |             |             |          |             |          |             |
| Type    | Type G   | Type G   | Type E      | Type E      | Type G   | Type E      | Type G   | Type E      |
| Design  | Straight | Straight | Over corner | Over corner | Straight | Over corner | Straight | Over corner |

**1 Set Bowden cables (4)**



**Rubber bands for**



- Type G
- Type E

**Roller**



**Ascent flap (sheet)**



- Type G
- Type E

**Magnet pin**



for the control panel  
with mushroom buttons  
Number: \_\_\_\_\_

### Important order data:

HBL type: \_\_\_\_\_

Prod. year: \_\_\_\_\_

HBL Series No\*: \_\_\_\_\_

\* Always quote the Serial No of your lifting device! It can be found on the ratings plate on the lifting device casing

\_\_\_\_\_  
Name

\_\_\_\_\_  
Contact

\_\_\_\_\_  
Street, House No.

\_\_\_\_\_  
E-mail

\_\_\_\_\_  
Postcode, City, Country

\_\_\_\_\_  
Commission

\_\_\_\_\_  
Telephone / Fax



Use this text for your tender specification. You can also download it from our website [www.hebelifte.de](http://www.hebelifte.de), from the "Downloads" area

- Lifting devices of the HBL Series
- Lifting height max. 1,000mm, passage straight or over corner
- Can carry load up to 225 kg
- Unique, soft and jerk-free drive (patented)
- Load-based lifting speed app. 0.02m/s
- Very low entry height of 40mm
- Power connection 230V/10A
- Rust-proof stainless steel/aluminium design
- Lifting plate made of 5x warded plate
- Stainless steel railings

### **Alternatives and additional equipment:**

Gate, moveable safety clamp, diverse control panels and handheld transmitters (wireless or cable), railings with and without stuffing, equalization platforms, transport rollers for mobile use