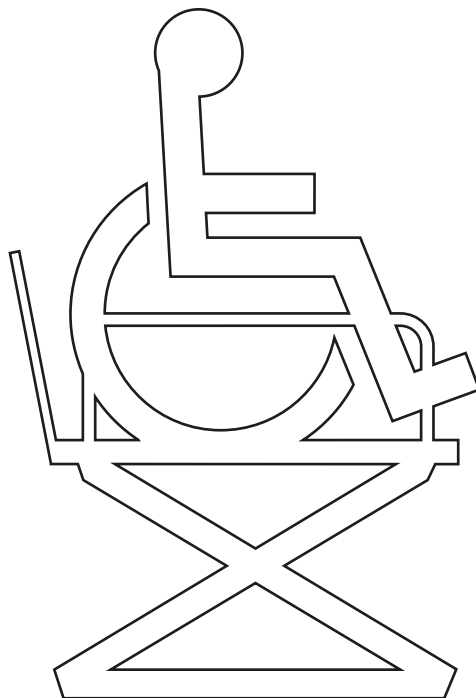


GB LP8 Lifting platform



Vers. 8.00



LP8 Lifting platform

Item no.:
3091xx

1.00	Purpose and use	3
1.01	Manufacturer	3
1.02	Purpose and use	3
1.03	Important/warnings	4
1.04	Components	5
2.00	Description of functions	6
2.01	Control panel	6
2.02	Operating Instructions	6
2.03	Markings and symbols on the product	8
3.00	Connections	9
3.01	Electrical connections	9
4.00	Installation of accessories	10
5.00	Safety measures	10
6.00	Maintenance	12
7.00	Troubleshooting	14
8.00	Technical specifications	15
9.00	EU Declaration of conformity	15
10.00	Warranty and service conditions	16
A.	Warranty	16
B.	Service or Repair	16

1.00**Purpose and use**

1.01**Manufacturer**

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1.02**Purpose and use****Purpose of the manual**

The manual describes the standard model with a lifting height from 0-3 metres.

Use

The LP8 is a vertical lifting platform designed for permanent installation indoors and outdoors. The lifting platform may be used in temperatures from -40° to +50°C. At temperatures below the freezing point a heating cable cassette (accessory) is recommended.

The lifting platform is designed to move individuals with limited mobility (e.g. the walking-impaired, wheelchair users, pram and sack trolley users, etc.) vertically from one level to another. Entry and exit is at opposite ends of the lifting platform. The lifting platform is designed and produced in accordance with current standards for negotiating height differences of up to 3 metres.

Great importance is attached to the design and implementation to achieve attractive and harmonious installation in different environments, private and public. Public environments are institutions, public buildings, etc., where the lifting platform is subject to a certain amount of supervision. In these environments, the lifting platform should be locked, protecting it against unintentional use or games.

When the lifting platform is in use, it is understood that the user has been instructed on its use, or that a skilled personnel is present to assist.

Assembly

The lifting platform is delivered ready-assembled from the factory. The platform must be mounted on a suitable and stable foundation. The lifting platform must be installed by a qualified technician, in accordance with Guldmann's instructions.

The motor housing must be placed in a suitable location to facilitate service and minimise noise.

Storing the lifting platform when not in use

- The lifting platform must be stored upright and with the lift basket in the lower position.
- If the lifting platform is dismantled and stored, it is important that the lifting platform is stable so that it cannot tip over and cause injury or damage its surroundings.
- The hydraulics system of the lifting platform contains oil that must be collected and disposed of in accordance with applicable regulations. In the event of an oil leak/spill, an appropriate clean-up must be performed. The lifting platform contains electronic parts that must also be disposed of in accordance with applicable regulations.

1.03

Important/warnings

- Read the instructions carefully before using the product.
- The LP8 must be assembled by the Guldmann Service Team or by an engineer approved by Guldmann.
- The accompanying safety bar must be used when the service engineer moves around beneath the lifting platform.
- The MAX. load of 352 kg must not be exceeded.
- The lifting platform and access ramp must be swept clean of gravel, fallen leaves, snow etc. before use.
- The lifting platform is to be used to transport people only, and must be used in accordance with the descriptions of this manual.
- All playing by and with the lifting platform is forbidden.
- The lifting platform must not be used during fire.
- A simple and usable "Emergency Procedure" must be described and agreed between the user and the helper. This must ensure that the user does not become trapped on the platform in the event of an electrical or a mechanical failure. In this connection it should also be decided if a two-way voice communication is necessary.
- The emergency stop must be used in emergencies only. If the emergency stop is activated owing to a malfunction, the dealer must be contacted before the lifting platform is used again.

1.04

Components

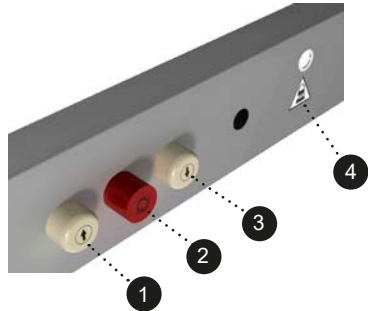
- 1 Lower door
- 2 Upper door
- 3 Access ramp
- 4 Control panel
- 5 Emergency lowering valve behind cover
- 6 Production sign (not illustrated)
- 7 Tower
- 8 Lift basket
- 9 Base frame
- 10 Exit ramp
- 11 Safety cut-out board
- 12 Motor housing
- 13 Hydraulic pump motor
- 14 Hydraulic oil tank



Control panel

The lifting platform is operated by means of a control panel.
The lifting platform is logical and unproblematic to operate and use, even with no prior knowledge.

1. Up
2. Emergency stop
3. Down
4. Overload signal

**Operating Instructions**

Before operating the lifting platform, it must be ensured that no persons or objects are situated beneath the platform. Always ensure that the platform is stopped at the lower level after use.

Operating instructions:

1. Ensure that no one is situated at the doors, as the doors open and close automatically.
2. UP. Press and hold the Up button in until the lifting platform stops and the door opens.
3. DOWN. Press and hold the Down button in until the lifting platform stops and the door opens.
4. EMERGENCY STOP BUTTON. In the event of an unexpected situation arising: Press the emergency stop switch.
5. PARKING. The lift basket must be parked in the lower position after use.

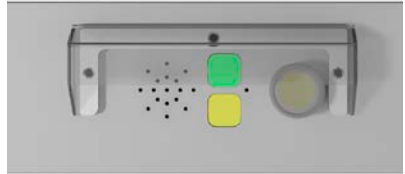
If the lifting platform is overloaded, an indicator lamp (4) will turn on and give a signal - and the platform will not lift or lower. After the overload has been removed, the platform can operate again.




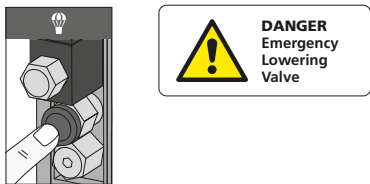



Emergency lowering device: (It is not possible to activate the emergency lowering device from the lift basket.)

1. Ensure that no one is situated below the platform, as the safety board does not work during emergency lowering.
2. Open the motor housing with the key. Open the hatch, and press and hold the red button until the platform reaches the lower level.
3. The lower door can be opened when the lifting platform is in the lower position.
4. If the emergency lowering device has been used, the cause must be identified. If necessary, the platform must be inspected by a service technician.

Emergency call: (if installed)

To call for help, push the alarm button; after 10 seconds, the automatic emergency calling device will dial a pre-set number to summon assistance.



Type	Description
Disabled label	<p>Disabled label.</p> 
Parking instructions	PARKING. The lift basket must be parked in the lower position after use.
Manufacturer's sign	<p>Manufacturer's sign with CE label</p> 
Crush risk	<p>Illustrated label on lift tower and inside the lift basket</p> 
Emergency lowering instructions. On the motor housing	<ol style="list-style-type: none"> 1. The emergency lowering device is available behind the hatch. 2. Ensure that no one is under the platform, as the safety board does not work during emergency lowering. 3. Open the hatch. 4. Press and hold the red button until the platform reaches the lower level. 5. The lower door can be opened when the lifting platform is in the lower position. 6. Call a service technician.
At the emergency lowering valve on the motor housing	<p>DANGER emergency lowering device</p> 
Overload label	<p>Placed in the lift basket by the overload indicator</p> 
Emergency call	<p>Symbol for emergency call button.</p> 
Switch off Warning	<p>Placed beside the main switch.</p> 

The lifting platform is delivered with a cable and plug connected to the lifting platform's motor housing. This is only a temporary solution in order to be able to run the lift during assembly, until an authorised electrician connects the lifting platform permanently.

Circuit: The lifting platform has a single-phase motor which uses maximum 7.8A and possibly also a heating cable (accessory) of 220W. The lifting platform therefore needs as a minimum a 10 A single-phase circuit with fuses (alternatively a 13A circuit). The circuit must have a residual current device in accordance with directives on electrical building installations etc.

The main switch shall always be placed in the vicinity of the lifting platform. The main switch and the heating cable switch are often placed indoors to avoid unintended interruption of the platform.

Electrical connection of lifting platform: The power supply must be connected to the terminal block located in a switch box in the motor housing. The heating cable (if mounted) is also connected to the terminal block. The heating cable can with advantage be equipped with a thermostat, so that it switches on only when the temperature gets below the freezing point.

The connection diagram is found inside the motor housing.

Lighting: A minimum of 50 lux lighting must be provided for the lifting platform and control panel.

Main power switch: The lifting platform must have a lockable main power switch that breaks the voltage supply to the lifting platform, normally placed together with the switch for heating cables indoors. This is to enable the lifting platform to be without voltage during servicing, and when the lifting platform should not be used. The normal solution is to pull a 4+earth wire cable from the lift's socket on the motor housing to the main switch and heating cable switch which is normally placed indoors.

The main power switch shall be marked with:
THE MAIN POWER SWITCH MUST NOT BE SWITCHED OFF BEFORE
THE LIFTING PLATFORM IS AT THE LOWER LEVEL

Heating cables: The lifting platform is delivered as standard without heating cables. In the base frame space has been made for a heating cable cassette. For outdoor assembly, it is recommended that heating cables are always built into the lifting platform's base. Alternatively, heating cables can be cast into a concrete base below the lift plate. The purpose of the cable is to keep the base free of snow and ice. Assembly must be carried out by the supplier.

Two-way voice communication: It is possible to establish two-way voice communication. If assistance is needed, press the alarm button and the automatic emergency call will after 10 seconds be transferred to a preset phone number.

Extension hydraulic hose for external motor housing: The motor housing can as standard be placed 2,5 metres from the left tower. The extension set consists of a hydraulic hose of 3 metres. (If the motor housing is within 9 metres from the platform, no additional electrical cables are needed).

Perforated steel: Side plates of lift basket and doors are available in perforated steel instead of glass.

Remote control: As an option the lifting platform can be supplied with infra-red remote control.

Operating switches. The UP or DOWN switches must be held in while the lifting platform is running.

Emergency stop switches. The lifting platform is equipped with an easy-access, self-locking emergency stop switch, which is placed between the operating switches.

Overload signal. The lifting platform has both a visual and acoustic signal that will be activated when the lifting platform is overloaded.

Main power switch. The lifting platform has a lockable main power switch. This is placed inside the house in the vicinity of or beside the lifting platform. The main power switch is used during servicing or to prevent unwanted use.

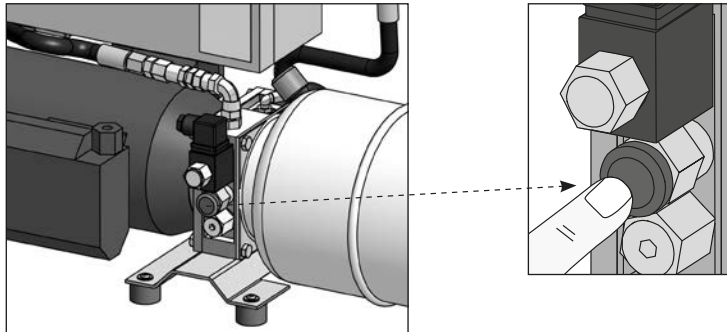
Automatic doors. In order to be able to operate the lifting platform, both doors must be in the closed position. The doors are opened and closed automatically, when the operating switch is activated. The doors automatically close after 30 s (Default time setting - Can be adjusted during service/installation).

Safety cut-out board. A safety cut-out board has been fitted under the lift basket, which means that the lifting platform stops if it comes into contact with anything. If the lift basket hits an object during descending, the lift basket will automatically stop while down-button is pressed and move slightly up after down button is released. This makes it possible to remove the object before the lifting platform can be operated normally again.

When the emergency lowering device is being used, the safety cut-out board will not work.

Automatic stop. The lifting platform stops automatically at the preset height. On the upper level an extra safety switch is mounted that stops the platform if the normal end stop should fail.

Emergency lowering device. The lifting platform is equipped with an emergency lowering device. In the event of unwanted stops or power failures, the lifting platform can be lowered by using the emergency lowering device. The emergency lowering device is locked in and is placed in the motor housing which is either behind the lifting platform or at the side depending on the customer's requirements and available space. We therefore recommend that the user carries a mobile phone or safety alarm when the lifting platform is used without someone to assist. See also the Operating Instructions.



Great care must be taken when using the emergency lowering device because the safety cut-out board does not work when this is activated. Read the instructions on the motor housing carefully before use.

External control panels. The lifting platform is equipped with external control panels which makes it possible to retrieve the lifting platform at the desired level.

Parking the lifting platform. The lifting platform must be parked at the lower level in order to prevent snow, leaves and other foreign objects from getting below the lifting platform when not in use. This will also ensure that heating cables keep the safety cut-out board free from ice and snow, and prevent the drying out of the hydraulic cylinder's piston rod and stuffing boxes.

Heating cable. Lifting platforms installed outdoors are normally fitted with a heating cable of 220 Watt. This should be left on whenever there is a danger of frost.

Re-leveling. If the lifting platform is at upper level and the upper door is opened, there is a safety function to protect the lift basket against slowly descending in case of minor hydraulic leakages.

The following points must be adhered to:

- There is a risk of getting jammed at the moving parts of the platform, for instance the automatic doors.
- Fingers must not be placed in the gaps in the lifting platform's columns/tower as this can lead to them being crushed.
- Parts and components must not be removed from the lifting platform.
- Contact the supplier in the event of faults or defective components. Use only original spare parts.
- The control panel must not be covered.
- Signs must not be removed or covered.
- Great care must be taken in the winter because of the risk of slipping on the lifting platforms floor and access ramp.
- Great care must be taken when using the emergency lowering device.

6.00

Maintenance

Exercise caution while working beneath the platform, as a crush hazard may arise between the platform's moving parts.

Important! The safety bar must always be used while working beneath the platform.

The following safety advice must be adhered to:

- Run the platform all the way to the upper level.
- Next, disconnect the platform's power source in order to prevent the risk of electrical shock and crushing.
- Insert the safety bar beneath the platform beside the left post, as shown in the drawing. It is now safe to work beneath the platform.
- The lifting platform may NOT be raised/lowered while work is being performed beneath the platform. This rule applies even if the safety bar or other safety devices are in place.



Maintenance: Ensure that the safety cut-out board under the lifting platform is always hanging freely and that foreign objects do not get lodged in the board. The base frame must be kept free of sand, gravel, leaves and other objects. This is crucial so that the lifting platform can be run all the way down without the safety cut-out board being pressed up and thereby preventing the lifting platform from going all the way down.

Cleaning: The lifting platform can be cleaned with soap and water.
NB: High-pressure washers and scourers cannot be used.

Service inspection: The LP8 must be inspected in accordance with the national law and at least once a year. The platform must be inspected by a qualified technician or by Guldmann Service Team.
It is the owner's responsibility to arrange such service inspections.

In the event of faults that can cause dangerous situations, the lifting platform shall be shut down immediately until the problems are solved.

Fault	Possible cause	Solution
None of the electrical functions works.	The emergency stop button has been pressed.	Turn all emergency stop buttons to the right.
	The main power switch has been turned off.	Turn the switch on.
	The fuse has blown.	Change the fuse or reset the residual current device.
The lifting platform does not go all the way down.	Foreign objects below the lifting platform/lift basket.	The safety cut-out board is activated. Clear away snow/ice or other foreign objects.
The lifting platform drops a few centimetres when parked in the upper position.	Hydraulic leak.	Press the UP button and the platform will go to the upper level. Contact the supplier for repair of the lifting platform.
The lifting platform is descending.	The emergency lowering device has been used.	Make sure the emergency lowering valve is not activated and check for leakages in the hydraulic system.
The lifting platform shows overload.	Remove some of the load from the lifting platform.	Do not exceed the maximum load of the platform.
The lifting platform won't start after the lower door has been closed.	The lower door does not indicate closed and locked.	Press the DOWN button until the door is completely open. Check that there are no foreign objects between the door and the lifting platform. Run the lifting platform as normal. If the problem continues, contact the supplier to adjust the door lock.
The lifting platform does not go down after the upper door has been closed.	The upper door shows no sign that it has been closed and locked.	Press the UP button until the door is open. Check that there are no foreign objects between the door and the lifting platform. Run the lifting platform as normal. If the problem continues, contact the supplier to adjust the door lock.

Data

The lifting platform's net weight	560-770 kg (Depending on height. See data sheet.)
Average lifting speed	0.07 m/s
Lifting height in mm	0-3000
Max. load, one person incl. wheelchair	352 kg
Materials	Aluminium and powder coated / electro- galvanized / hot-galvanized steel
Noise level	max. 65 dB(A)

Electrical parts

Frequency	50Hz
Phases	1-phase
Circuit	10A fuses
Voltage	230 Volt
Control system voltage	24 Volt
Heating cable	220 Watt

Doors

Door motor	24 Volt DC
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Motor unit

AC motor 1.1kW, 230 Volts, 1400 r/min.

Operating pressure	max. 86 Bar
Oil volume	0-1.6 m: min. 4.5 litres 2-3 m: min 8 litres
Oil type	Shell Tellus S4

The product is manufactured in compliance with the Council Directive 2006/42/EC of May 17th 2006 on machinery and amending Directive 95/16/EC.

A. Warranty

Guldmann warrants its equipment is free from material defects under normal use, and will perform substantially in accordance with the specifications set forth in documentation provided with the equipment.

This express warranty shall be in effect for one year from the date of original purchase and installation (the "Warranty Period"). If a valid claim is made during the Warranty Period for malfunction or equipment defect, Guldmann will repair or replace the equipment at no additional cost to you. Guldmann retains sole discretion as to whether the equipment will be repaired or replaced.

The warranty does not cover any part of the equipment that has been subject to damage or abuse by the user or others. The warranty does not cover any part of the equipment that has been altered or changed in any way by the user or others. Guldmann does not warrant that the lifting device functions will meet your requirements, be uninterrupted or error free.

The warranty set forth is in lieu of all other express and implied warranties, whether oral, written or implied, and the remedies set forth above are your sole and exclusive remedies. Only an authorized officer of Guldmann may make modifications to this warranty, or additional warranties binding on Guldmann. Accordingly, additional statements such as advertising or presentations, whether oral or written, do not constitute warranties by Guldmann.

This warranty shall be null and void if the equipment is operated and maintained in any manner inconsistent with its intended use or the instructions provided with the product. Further, in order for the warranty to remain in effect for the full Warranty Period, all service to the equipment must be provided by a Guldmann certified technician. Any parts or components repaired or replaced by a Guldmann certified technician will be guaranteed for the remainder of the Warranty Period.

B. Service or Repair

Contact Guldmann Repair for an authorization to return any defective item during the Warranty Period. You will be provided with a return authorization number and address for returning the item for warranty service or replacement. Do not return items to Guldmann under warranty without receiving a Return Authorization Number.

If mailing the item, pack it carefully in a sturdy carton to prevent damage. Include your Return Authorization Number, a brief description of the problem and your return address and phone number. Guldmann does not assume the risk of loss or damage while in transit, so it is recommended you insure the package.



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