

EN User manual InDiago 510



EN Products

Lifting Systems for Wall Cabinets
Wall Cabinet Lift - Granberg InDIAGO

1. Introduction
2. Declaration of Conformity with EU-directive
3. Intended use
4. Technical data
5. Safe use
6. Safety arrangements
7. Load distribution and side forces
8. Actions after use
9. Instructions for recycling
10. Spare parts list

1. Introduction

We have the pleasure to deliver a Granberg InDiago 510 for installation in wall cabinets. This is an electrically operated lifting and lowering system for installation in new or existing wall cabinets. It can be used separately, or together with the Granberg work top units, and it becomes then a total adaptation of the kitchen. The lift is suitable for wall cabinets of various makes, which are made according the standards EN 1116 and EN 1153.

Only authorized persons may use the product!

Authorization means obligation to read and follow the instructions.

It is very important that you read and understands the instructions before you use product.

If you have any questions - contact your supplier.

This Instruction manual shall be available for all concerned persons, be kept in a protected place and shall follow the product, if it is moved to another installation site or another house or apartment owner.

Correct use, operation, inspections and maintenance are decisive for efficient and safe work.

2. Declaration of Conformity with EU-directive

This product is CE-marked and is granted to conform to the basic safety and operation requirements, in accordance with de actual Machinery, EMC- and Low voltage Directives. A separate "CE-Declaration of Conformity" is available in separate document.

3. Intended use

The InDiago 510 intended to achieve a convenient location to put or pick of normal kitchen cabinet items, e.g. dry groceries and household objects, by means of manoeuvring the shelf system along an arc-shaped path down to the worktop level below it.

The operation shall be indoors, under normal housing conditions regarding temperature, humidity and lighting.

The Diagonal lift is not intended for use in moist environments. It is assumed that the wall cabinet is made according the standards EN 1116 and EN 1153.

4. Technical data

	510KA	510KB	510SA	510SB
Cabinet width	500 - 1000 mm	500 - 1000 mm	500 - 1000 mm	500 - 1000 mm
Cabinet height	700 - 840 mm	700 - 840 mm	850 - 1100 mm	850 - 1100 mm
Cabinet depth, min	260 mm	310 mm	260 mm	310 mm
Vertical stroke, max	540 mm	540 mm	540 mm	540 mm
Horizontal stroke, max	373 mm	373 mm	373 mm	373 mm
Speed	23 mm / S.	23 mm / S.	23 mm / S.	23 mm / S.
Mains voltage	230 V	230 V	230 V	230 V
Power consumption	Max 2A, 460W	Max 2A, 460W	Max 2A, 460W	Max 2A, 460W
Max number of full work cycles	1 / 10 min.	1 / 10 min.	1 / 10 min.	1 / 10 min.
Weight	~ 30 kg	~ 30 kg	~ 30 kg	~ 30 kg
Max load in the internal-cabinet	40 kg	40 kg	40 kg	40 kg

5. Safe use

In order to utilise the properties of the InDiago 510 and to prevent and avoid damages it is important that you carefully read the instructions and operates it in the right way.

The lift is a diagonal lift that lowers an internal cabinet along an arc-shaped path down to the worktop level below it. The travel can be stopped at any height.

It is provided with safety arrangements in order to prevent and avoid damages and accidents.

It is however still very important that the operator is well instructed in how to install and operate the liftingsystem. In the following the lifting system means the lifting machine incl. internal cabinet and the wall cabinet in which the InDiago 510 is installed.

- Only use the lifting system for its intended purpose
- The operation and use must be made in such way that there is no risk for damages on persons and property.
- The lifting system may only be operated by persons who have read and understood these instructions, and are authorized to use it.
- Be aware of that you as an operator are responsible for that nobody is damaged.
- The lifting system and the work area must be in proper condition. The lifting system must not be used if any fault has appeared which influences the functions or the operation safety. It shall also not be used if it has been repaired, altered or adjusted without permission of a responsible person.
- Make sure that the lifting system is installed on a firm, flat and fully vertical wall, with sufficient attachment devices for the total weight. Only competent persons shall make the installation.
- The Control buttons shall be placed so that the operator has got full view over the lifting system and its work area when operations are made.
- Do not touch any part of the lift when operating it. Only press the button for desired motion direction.
- Do not put hands, arms, or any other part of the body or any object into the lifting system when it is brought from the parking position. The parking position means when the lifting system is fully inside the wall cabinet, i.e. at the top level.
- Keep in mind that when the lifting system has left the parking position the risk increases to get damaged by the lifting system and the doors.
- Do not lower the lifting system unless the space below it is free of persons or objects. In particular if the lifting system unit is installed above a workbench with adjustable height there is an imminent risk that you do not notice objects or equipment that might be trapped.
- Observe the risk for collision between the lifting system and the Workbench. Note especially the risk to come in collision with the mixer tap.
- Only stable and securely loaded items may be handled. Mind the tilting risk for objects in the cabinet, which are unstable, e.g. carelessly piled.
- Safety devices must not be taken out of service or removed.
- Alterations of the lifting system that influence the operational safety or the functions are not allowed.
- Decals and markings must not be removed or made illegible.
- Do not overload the lifting system.
- Always distribute the load within the cabinet, to avoid cantilevered loading. Consider the risk that the load can roll, slide or fall over.
- If the cabinet have no doors the risk is even bigger that objects may fall out of the cabinet.
- Use safe and sufficient lifting methods when handling load to and from the lifting system. In particular beware when handling heavy items, and goods with hazardous content or with sharp corners and edges.
- The lifting system unit shall regularly, once a year, be inspected in order to prevent accidents.
- The lift may not be operated when there are saucepans/frying pans in use on the cooker, nearby or under the lifting system. There is a risk that these will fall over if they are hit by the lifting system.
- Applicable Building and Safe use Regulations must be complied with.
- It is forbidden to stay in wall the cabinet, to hang in the cabinet shelves or to use the lift for lifting of persons.
- Do not use the lifting system as a lifting jack, e.g. for lifting things from the floor.
- The machine must not come in direct contact with food
- Do not use the lifting system in a potentially explosive environment.
- When the operation is in a public location, particularly when children can enter the work area, the operator shall make satisfactory arrangements to prevent persons from entering the hazardous area when the lift is being operated, or it has been lowered from the parking position, e.g. by means of blocking the work area or by means of adding protection devices.
- During inspections, service and repair work there shall be no load in the cabinet. It can be necessary to demount the internal cabinet from the liftin mechanism to carry out service or repair.
- Competent persons only must carry out installation, service and repair works.
- Only Granberg original spare parts shall be used when replacing any parts. Our warranty commitment can otherwise be invalidated.

6. Safety arrangements

Below the bottom of the internal cabinet there is a fully covering safety trip plate. If the trip plate is pressed the movement will stop. Check the safety trip plate function often.



7. Load distribution and side forces

Note that the max. rated load means that the load is distributed over the entire cabinet volume. Horizontal forces are not allowed.

Basic loading requirements:

- **100 % of the rated load distributed over the entire cabinet volume.**
- **The Centre of Gravity of the load is assumed to be in or under the cabinet centre.**
- **Horizontal forces are not allowed.**

Horizontal forces can appear, for example, when pressing onto the shelves or the load.

It is difficult to estimate the size of the actual horizontal force, so utmost care must always be taken.

Further to the incorporated safety arrangements additional can safety actions may be required on or at the Diagonal lift. Discuss suitable actions with your Granberg representative or with the health and safety inspection.

We recommend that a Risk assessment in accordance with the Machinery Directive shall be made for the actual working condition.

8. Actions after use

InDiago 510 shall after use be left fully raised to the top level, inside the wall cabinet, the parking position.

Switch off the main switch and lock it in closed position, if unauthorized use can occur.

To prevent unauthorized use can it is also possible to furnish the control panel with a key switch, by means of which the control circuit is disconnected. It can also be placed inside a lockable cabinet.

9. Instructions for recycling

When Indiago 510 shall be re-used shall it must be cleaned, inspected and go through a full operation test before it is installed on the new site. We recommend the machine to be sent to Granberg or to the Granberg distributor to get this done. The machine is manufactured from re-usable materials or from materials that can be recycled.

10. Spare parts list

If any component does not work or has broken, contact your supplier. Only Granberg original spare parts must be used when replacing any parts. Our warranty commitment may otherwise be invalidated.

Return of spare parts:

Contact Granberg prior to any return of parts.

Do not return any parts that have been worn out during normal operation or accidentally damaged. Only return worn or damaged parts if it is considered that the fault is covered by our warranty conditions. In such cases, return the parts without delay, otherwise the right to replacement may be lost.

When ordering spare parts always quote the manufacturing number and type.



Transformer



Control button, aluminium



Remote control