

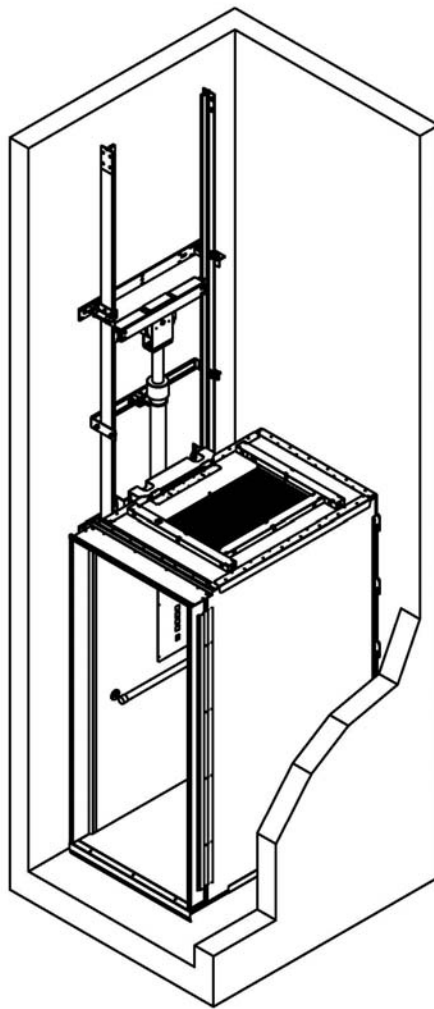
# Garaventa Elvoron CPL

Vertical Platform Lift with Full Height Cab

Roped Hydraulic Drive System

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## Owner's Manual



# The Garaventa Elvoron CPL

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Congratulations on the purchase of your new Elvoron CPL – Vertical platform lift with full height cab. This manual describes the many features of the Elvoron CPL, including how to operate it properly and how to perform simple safety and maintenance checks. Please make sure that you read this Manual before operating the lift.

The serial number will be required when discussing service issues with your local Garaventa dealer or Garaventa factory technicians. Please make a note of the serial number in this Manual. It is printed on a label on the inside of the control box. Also, please record the date on which your Elvoron CPL was installed. This is important for warranty reference.

**Lift Serial Number:** \_\_\_\_\_

**Date of Installation:** \_\_\_\_\_

Your Elvoron CPL has been designed to provide years of reliable performance. However, it will require maintenance and service. Your Garaventa dealer is knowledgeable about the maintenance and service requirements of your lift. Please make note below for future contact.

## Local Authorized Garaventa Dealer:

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

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# 1. Safety First

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The warning symbol to the left is used throughout this Owner's Manual to draw your attention to procedures that must be followed to avoid possible danger and injury.

The following procedures are very important to ensure the safe operation of your Garaventa Elvoron CPL.



## Stop Button

The Elvoron CPL is equipped with a red emergency stop button in the cab. To stop the lift in an emergency, press the stop button.

## Operate and Maintain the Lift Regularly

Operate the lift on a regular basis and check that everything is working normally.

Routine preventive maintenance will ensure the lift is running properly and help avoid expensive breakdowns and repairs. Garaventa recommends maintaining your lift at least twice per year, but your authorized Garaventa dealer is better suited to recommend a maintenance program for your lift.



Do not operate the lift if it has been damaged. If you hear unusual noises or feel vibrations, contact your Garaventa dealer immediately.

Follow any recommendations of local lift safety authorities that inspect the lift for potential safety issues.

## Do Not Overload the Lift

Your Elvoron CPL lift is equipped with a capacity plate in the car which will show the capacity for your lift, either 750 lbs. (340 kgs.) or 1000 lbs. (454 kgs.). **DO NOT EXCEED THIS CAPACITY!**



## CHILDREN ARE NOT CARELESS....ONLY CARE-FREE AND THEY...

*...MUST NOT BE ALLOWED TO PLAY ON YOUR LIFT.*

*...MUST ALWAYS BE WITH AN ADULT WHEN USING YOUR LIFT.*

*...MUST NEVER BE IN THE VICINITY OF THE LIFT MACHINERY.*

## Safety Features – “Do Not Tamper with Safety Features”

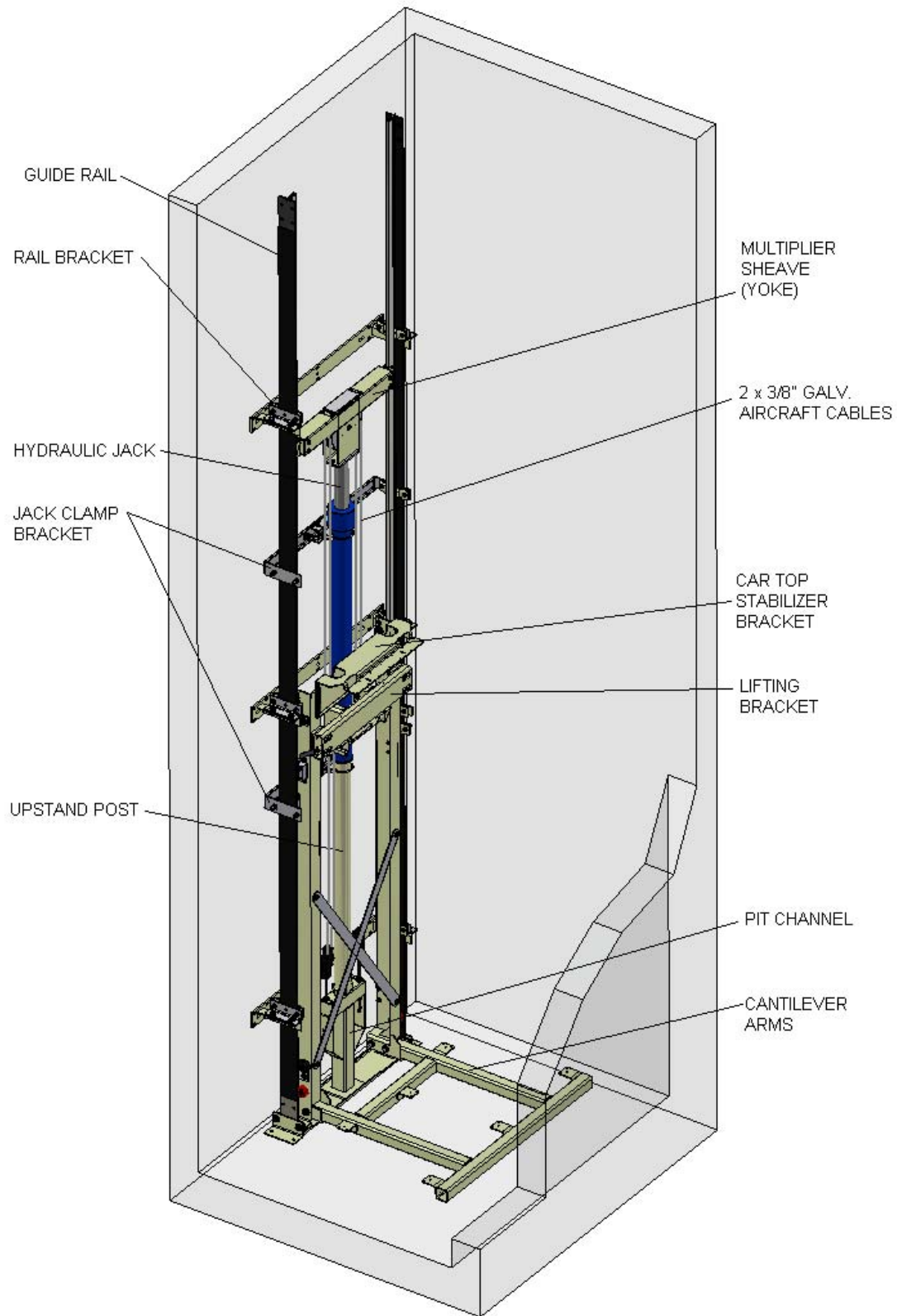
**DO NOT PERMIT ANYONE OTHER THAN A TRAINED, EXPERIENCED LIFT TECHNICIAN TO ADJUST OR SERVICE YOUR LIFT.**



## Pump & Motor Area Clear

Keep the area around the pump and controller clear of all debris. Do not use as a storage room. In an emergency, a technician may have to access the main controls in a hurry!

## 2. Component Identification



# 3. Basic Operating Instructions

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## Hall Station

1. If the landing operating control is provided with a device to restrict operation (key, swipe card, button pad, etc.) activate the device as indicated and press the button, where applicable.
2. The platform lift controls are arranged for continuous pressure operation. Maintain pressure on the landing operating control device as described on the instructions and until the lift stops at your location. To stop movement of the lift at any point in it's travel, simply release the landing operating control device.
3. Release the landing operating control device and remove key, if applicable.
4. Grasp the door handle and pull the door open.



***Each landing door is provided with a code compliant electro-mechanical locking device that is designed to maintain the landing door in a closed and locked position when the lift is away from the landing. This safety locking device is extremely important for the proper and safe operation of this lift. DISABLING OR BYPASSING THE INTENDED USE OF THE LANDING DOOR LOCKING DEVICES MAY RESULT IN SERIOUS INJURY OR DEATH!***

***Where power operated wheeled assistive devices are used, the brakes must be set and the power switch turned to OFF prior to moving the platform lift.***

***Where manual wheeled assistive devices are used, the wheel-brakes must be set prior to moving the platform lift.***

## Hall Doors

The landing or Hall Door must be closed and locked in order for the car to leave the landing. Once the cab has left the landing the door will remain locked until the cab returns to the landing.



## Car Controls

1. If the platform operating control is provided with a device to restrict operation (key, swipe card, button pad, etc.) activate the device as described and press one of the floor buttons indicated on the platform operating controls.
2. The platform lift is arranged for continuous pressure operation. Maintain pressure on the floor call device as indicated by the instructions and until the lift stops at the requested floor. To stop the lift at any point, simply release the button or floor call device.
3. Release the button when the lift arrives at your requested floor and remove the key, if applicable.
4. Turn the door handle and open the landing door.



### Note:

An "entry" and "exit" timer (N.I.T. Timer) allows approximately six to nine seconds before the landing call devices become operational. This delay allows time for a person to enter/exit the platform before another landing call can take control of the lift.

# 4. Additional Instructions for Optional Features

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## Emergency Telephone

If the platform is installed in an area not visible to personnel at all times, or your local safety authority requires it, an emergency communication device shall be installed on the platform in addition to the alarm.. This device is not standard equipment on a Garaventa Elvora lift although wiring provisions for the telephone are provided. Your authorized Garaventa dealer can assist the telephone company in locating and wiring the telephone. There may be an additional cost from the installer for this assistance. There may be additional costs involved with the installation and ongoing fees for the telephone from your local telephone provider.

## PLC Controller (PLC)

The Elvora uses a two speed hydraulic valve for smooth stops starts and leveling and a shaft encoder system for accuracy, ease of installation and servicing. In addition, the Elvora is provided with a sophisticated Programmable Logic Controller (PLC) that is programmed to visually display and identify in plain English any service problems that may occur.

## Emergency Battery Backup Power Supply

Garaventa provides an emergency battery backup as standard equipment. It provides a continuous source of backup power in the event of a building power failure. The back-up power supply is charged through the main controller. If the battery is depleted for any reason, it will emit a beeping sound indicating that service is required.

The Battery backup provides power for the alarm, the cab lighting, controls, interlocks and door for approximately one hour after a power failure.

In the event of a main building power failure the lift will no longer travel in the up direction. The lift will accept a car call to any landing it will pass on the way to the bottom and allow the passenger to exit at that floor. The lift will then continue to the bottom floor and remain parked until normal power is restored. The PLC display will read "EMERGENCY POWER RETURNED" until normal power is restored".

If a user is within the cab when the power failure occurs, this feature will allow him/her to travel to a lower floor and exit the lift.

**NOTE:** *The lift cannot travel in the UP direction when the Battery Backup power has activated in response to a building power failure. All electrical safety features remain in place during operation of the Battery Backup System.*

## Emergency Lighting

In the event of a main power failure, the cab lights will remain illuminated when the UPS emergency Power Supply activates.

## Warning Alarm

The lift warning alarm, which may be a bell or a buzzer, will remain operational in the event of a building power supply. Press the ALARM button or the STOP button to activate the alarm.

# 5. Instructions for Emergency Manual Lowering

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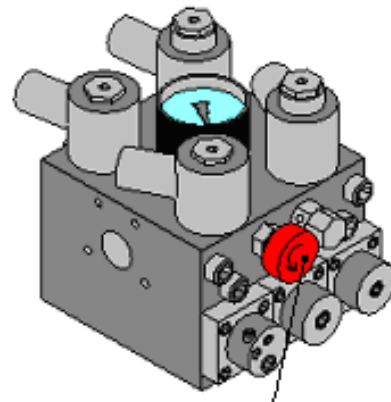
In an extreme emergency, the lift cab can be lowered manually in order to evacuate a stranded passenger. It is preferable to call a trained Technician prior to using the manual lowering device. However, if time is of the essence then the lift can be lowered manually using the following method. Do not attempt to use the manual lowering device unless you have been instructed in its safe operation and use.

1. Talk to the person in the lift and tell them what you are about to do. Tell them to remain calm and to stay well back and clear of the car doors/gates.
2. Go to the pump and control room and **TURN OFF THE MAIN POWER SUPPLY AT THE CIRCUIT BREAKER OR THE DISCONNECT SWITCH.**
3. Locate the main hydraulic control valve on the top of the pump unit oil reservoir and note the RED round handle/knob as shown in the adjacent illustrations.
4. Turn the **RED** handle/knob counter-clockwise until it stops and hold it in that position. It is spring-loaded and the lift will stop immediately upon release of the handle.

5. Alert the occupant that you are going to lower the lift.

6. Turn the handle/knob and lower the lift to the bottom floor and ask the occupant to tell you when the lift is level with the bottom floor. **RELEASE THE RED HANDLE TO STOP THE LIFT.**

7. The lift occupant can open the lower floor door when the lift stops by raising the emergency release lever protruding from the door locking device mounted on the strike jamb side of the doorway, near the top. Raise the lever and open the door at the same time. The occupant can now exit the lift.



**RED round handle**

**BLAIN EV100-3/4in. control valve**

## 6. Preventive Maintenance

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Regular maintenance will keep your Garaventa Elvoron CPL in proper operating condition. Like all mechanical devices, your Elvoron requires a regular procedure of inspection and maintenance to ensure continued operation in top condition. To verify proper operating condition of your unit, the items listed below must be inspected and, if necessary, serviced every six (6) months. Additional inspections may be required depending on usage.

***Very Important: Only authorized Garaventa technicians should be permitted to service the landing door locking device.***

1. Listen for any unusual noises or bumps and scrapes. These may indicate certain components are starting to wear and require changing. Alert your servicing contractor if this occurs.
2. Test and verify that the emergency telephone, alarm, back-up power and manual lowering system are operational.
3. Check each landing door electro-mechanical locking device for proper operation. The lift must not move away from the floor if a door or gate is open. Verify that the door is locked when the lift is away from the floor.
4. Use a Flannel cloth and a light detergent to clean the surface of the car wall panels. Do not use an abrasive cleaner.
5. Wipe stainless steel, brass or glass with a soft, lint free cloth and a non-abrasive cleaner such as window cleaner. Brass has been surface treated for long, bright life.
6. The high intensity 24 volt Halogen or Xenon lights used for the car lighting require special handling. Follow the instructions on the carton of the replacement lamps.



**REPLACE WITH 24 VOLT LAMPS ONLY -  
INSTALLING A LAMP WITH ANY OTHER VOLTAGE  
MAY DAMAGE THE EQUIPMENT AND VOID THE  
WARRANTY.**

7. Keep the area around the pump and controller clear of all debris. Do not use as a storage room. In an emergency, a technician may have to access the main controls in a hurry!

## Some reflections on Safety with your Vertical Platform Lift

Your authorized Garaventa dealer has a responsibility to give you the following tour of your lift prior to turnover. He must show and explain the operation of the lift controls as well as alerting you to the potential hazards that may be encountered during use. He should review the safety notices in the Owner's Manual with you at the same time. In addition, he should review the minimum maintenance requirements of the lift in order to keep it in "like new" condition.

Ensure your installer points out and describes the following for you, including, as applicable, its proper use and the hazards associated with improper use:

- a. The landing doors, jambs and their electro-mechanical locking devices.
- b. The manual lowering procedure.
- c. Procedure for opening hall door with emergency release from inside and outside cab.
- d. The rated capacity and the hazards of overloading.
- e. The cab or landing restricted access devices (key switches, etc.) Where provided.
- f. Fuses and circuit breakers in the lift controls and the main power supply.
- g. The hazards of improper storage of non-lift equipment in the machine area or room.
- h. The importance of regular maintenance.
- i. Proper use of cab operating controls.
- j. Proper use of landing operating controls.
- k. Emergency communication devices. (telephone, audible alarm, etc.).
- l. Emergency Power Supply (Battery backup, etc.). (If provided).
- m. Procedure for evacuating stranded passengers in an emergency.
- n. Who to call in an emergency and the emergency numbers. It's best to sign only with company that offers "round the clock" emergency service...breakdowns don't happen at your convenience!

# 7. Warranty Information

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## Two Year Limited Warranty

Garaventa Lift warrants this lift to be free of defects in materials and workmanship under normal use and service for a period of two years from the date of purchase, reasonable wear and tear excluded. Proof of purchase showing the purchase date is required to validate the warranty.

This Warranty does not extend to any lift that has been subjected to misuse, neglect, accident, modifications, or damage from fire, lightning, or water, or used in violation of the instructions furnished, nor units repaired or altered by other than an authorized Garaventa Lift dealer. This warranty does not cover service work, oiling, cleaning and minor adjustments that are required from time to time. Consult your local authorized Garaventa Lift dealer.

Garaventa Lift's liability hereunder is limited to repair and replacement only. Transportation and local labor charges are not covered. Garaventa Lift accepts no liability for any loss or damage resulting from the use or misuse of the Elvoron, whether such loss or damage is direct, indirect or consequential. All other express or implied warranties, statutory or otherwise, are excluded.

Note that validation of the warranty and the extended warranty programs require that an authorized technician properly maintain your elevator in accordance to the recommendations found in Section 6.

## Warranty Registration

A warranty registration page is enclosed with this Owner's Manual. Please complete and return it to Garaventa within 10 days of purchase.

## Optional Extended Warranty Protection (Canada & USA Only)

As an option, you are able to purchase extended warranty protection for your Garaventa Elvoron (***Preventive Maintenance Agreement required***). This will extend your warranty from two years to 7 years (warranty details available). The extended warranty covers all major components.

**Important Note:** The extended warranty protection plan (***Preventive Maintenance Agreement required***) is available for purchase for up to 30 days after lift installation. An extended purchase availability of up to 90 days after installation is available for an additional cost.

Protect your investment. Contact your local Garaventa dealer or Garaventa Lift for more information.

Thank you for purchasing your Garaventa Elvoron. We welcome your comments on this product or any of the related instructional material.