

# LX 14/50 TRIPLEX FREE LIFT

DESIGNED FOR TOP PERFORMANCE



The LX II edition is a strong and reliable partner which bridges the gap between low-duty and heavy duty material handling daily operations. Due to its durability, low maintenance LX is suitable for environments as logistic centers, terminals, production and manufacturing areas. Also the new tiller arm equipped with fork lifting and lowering proportional control improves user-friendliness and maneuverability of the truck.

## TRIPLEX FREELIFT

The combination of the three lifting stages with two lateral cylinder of the Triplex and a central lifting cylinder allow a full freelif (h2): lifting fork without increasing the minimum overall stacker size (h1) to work in container and low roof warehouses



## ZAPI CONTROLLER

AC technology guarantees more energy efficiency and longer battery charging duration, thus reducing maintenance cost. Furthermore the absence of brushes in the motor, the simpler motor structure and the possibility of adjusting parameters increase system reliability.



## TILLER EVOLUTION

Fully integrated ergonomic technopolymer tiller system including finger tip throttle and proportional fork controls, safety pushbutton, horn, turtle button, hourmeter, battery status indicator as standard equipment.



## MANEUVERABILITY

The overall width has the same size than the EuroPallet (800mm) allow the unit to work in narrow spaces and corridors, increase maneuverability and reducing the turning radius.



## VISIBILITY

The wide mast and central driving position allow to have a great operator visibility



## BATTERY COMPARTMENT

The separate battery compartment allows the installation of high capacity battery (225Ah - 300Ah). The battery inspection is easy and comfortable through the battery cover with hinges. As option automatic battery refilling system can be supplied as the external high frequency battery charger that can be easily plugged through Anderson connector.



## EASY MAINTENANCE

Removing the strong cover allow to have the access to electric and hydraulic system as to the motorwheel and stabilizing wheels.



## OPERATOR PLATFORM

The LX stacker can be equipped with cushioned stand-on foldable platform very useful for covering medium-sized distances and for intensive application.



## Description

|                            |   |    |                  |
|----------------------------|---|----|------------------|
| 1.1 Manufacturer           |   |    | PR<br>INDUSTRIAL |
| 1.3 Drive                  |   |    | Electric         |
| 1.4 Operator type          |   |    | Pedestrian       |
| 1.5 Load capacity          | Q | Kg | 1400             |
| 1.6 Load centre distance   | c | mm | 600              |
| 1.8 Load axle to end forks | x | mm | 797              |
| 1.9 Wheel base             | y | mm | 1436             |

## Weights

|  |  |    |      |
|--|--|----|------|
| 2.1 Service weight (battery included)                |  | Kg | 1262 |
| 2.1 Service weight, With platform - battery included |  | Kg | 1302 |
| 2.2 Axle load, laden rear                            |  | Kg | 1727 |
| 2.2 Axle load, laden front                           |  | Kg | 935  |
| 2.3 Axle load, unladen front                         |  | Kg | 849  |
| 2.3 Axle load, unladen rear                          |  | Kg | 413  |

## Tyres/Chassis

|  |     |    |         |
|--|-----|----|---------|
| 3.1 Tyres: front wheels                            |     |    | RUBBER  |
| 3.1 Tyres: stabilizers wheels - front              |     |    | POLY.C. |
| 3.1 Tyres: rear wheels                             |     |    | POLY.C. |
| 3.2 Tyre size: Steering wheels - Width             |     | mm | 101     |
| 3.2 Tyre size: Steering wheels - Diameter          |     | mm | 250     |
| 3.3 Tyre size: Load rollers - Diameter             |     | mm | 82      |
| 3.3 Tyre size: Load rollers - Width                |     | mm | 70      |
| 3.4 Tyre size: stabilizers wheels front - Diameter |     | mm | 100     |
| 3.4 Tyre size: stabilizers wheels front - Width    |     | mm | 38      |
| 3.5 Tyre size: rear wheels - Q.ty (X=driven)       |     | nr | 4       |
| 3.5 Tyre size: front wheels - Q.ty (X=driven)      |     | nr | 1x      |
| 3.6 Tread, front                                   | b10 | mm | 586     |
| 3.7 Tread, rear                                    | b11 | mm | 390     |

## Dimensions

|  |        |      |
|--|--------|------|
| 4.2 Height, mast lowered                           | h1 mm  | 2294 |
| 4.3 Normal free lifting                            | h2 mm  | 1675 |
| 4.4 Lift height                                    | h3 mm  | 5025 |
| 4.5 Height, mast extended                          | h4 mm  | 5644 |
| 4.9 Height of tiller in drive position min         | h14 mm | 990  |
| 4.9 Height of tiller in drive position max         | h14 mm | 1390 |
| 4.15 Height, lowered                               | h13 mm | 90   |
| 4.19 Overall length                                | l1 mm  | 1966 |
| 4.19 Overall length with lowered platform          | l1 mm  | 2550 |
| 4.19 Overall length with raised platform           | l1 mm  | 2090 |
| 4.20 Length to face of forks                       | l2 mm  | 816  |
| 4.20 Length to face of forks with lowered platform | l2 mm  | 1400 |
| 4.20 Length to face of forks with raised platform  | l2 mm  | 940  |
| 4.21 Overall width                                 | b1 mm  | 800  |
| 4.22 Fork dimensions - Thickness                   | s mm   | 70   |
| 4.22 Fork dimensions - Width                       | e mm   | 170  |
| 4.22 Fork dimensions - Length                      | l mm   | 1150 |
| 4.24 Fork carriage width                           | b3 mm  | 644  |
| 4.25 Distance between fork arms                    | b5 mm  | 560  |
| 4.32 Ground clearance, centre of wheelbase         | m2 mm  | 20   |
| 4.34 Aisle width                                   | Ast mm | 2380 |
| 4.34 Aisle width with lowered platform             | Ast mm | 2964 |
| 4.34 Aisle width with raised platform              | Ast mm | 2510 |
| 4.35 Turning radius                                | Wa mm  | 1613 |
| 4.35 Turning radius with lowered platform          | Wa mm  | 2196 |
| 4.35 Turning radius with raised platform           | Wa mm  | 1742 |

## Performance data

|  |      |                               |
|--|------|-------------------------------|
| 5.1 Travel speed laden   | Km/h | 6.0                           |
| 5.1 Travel speed unladen   | Km/h | 6.0                           |
| 5.1 Travel Speed Laden with platform in lowered position                       | Km/h | 6.0                           |
| 5.1 Travel speed unladen with platform in lowered position                     | Km/h | 6.0                           |
| 5.1 Travel speed laden with platform in raised position or with raised forks   | Km/h | 6.0                           |
| 5.1 Travel speed unladen with platform in raised position or with raised forks | Km/h | 6.0                           |
| 5.2 Lifting speed laden  | m/s  | 0.14                          |
| 5.2 Lifting speed unladen  | m/s  | 0.28                          |
| 5.3 Lowering speed laden   | m/s  | 0.34                          |
| 5.3 Lowering speed unladen   | m/s  | 0.40                          |
| 5.8 Max gradeability laden   | %    | 5                             |
| 5.8 Max gradeability unladen   | %    | 10                            |
| 5.10 Service brake   |      | REVERSE<br>CURRENT<br>BRAKING |

### Electric motors

|   |       |               |
|---|-------|---------------|
| 6.1 Drive motor power                         | kW    | 1.2           |
| 6.2 Lift motor power                          | kW    | 3.2           |
| Battery Type                                  | Typo  | Traction (C5) |
| 6.4 Battery voltage                           | V     | 24            |
| 6.4 Battery capacity, Min                     | Ah    | 225           |
| 6.4 Battery capacity, Max                     | Ah    | 300           |
| 6.5 Battery weight, Min                       | Kg    | 270           |
| 6.5 Battery weight, Max                       | Kg    | 270           |
| 6.6 Energy consumption according to VDI cycle | kWh/h | 1.17          |
| 8.4 Sound level at driver's ear               | dB(A) | 67            |

### Residual lifting capacity

|                             |    |      |
|-----------------------------|----|------|
| Lifting height (H3) 3300 mm | Kg | 1400 |
| Lifting height (H3) 3600 mm | Kg | 1200 |
| Lifting height (H3) 4000 mm | Kg | 1000 |
| Lifting height (H3) 5000 mm | Kg | 800  |



The information is aligned with the Data file at the time of download. Printed on 28/12/2020 (ID 3107)

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