

Technical sheet :

# **ES 614 LI 5P INOX PREMIUM**

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 **MANITOU**  
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|       | Technical characteristics                                   |           | Metric                    |
|-------|---|-----------|---------------------------|
| 1.1   | Manufacturer  |           | Manitou                   |
| 1.2   | Model Name  |           | ES 614 LI 5P Inox Premium |
| 1.3   | Power source  |           | Electrical - Lead         |
| 1.4   | Operator type   |           | Pedestrian                |
| 1.5   | Max. capacity   | Q         | 1400 kg                   |
| 1.6   | Load center of gravity                                      | c         | 600 mm                    |
| 1.8   | Distance from Load backrest to center of rear axle          | x         | 710 mm                    |
| 1.9   | Wheelbase   | y         | 1393 mm                   |
|       | Weight  |           |                           |
| 2.1   | Service weight  |           | 1310 kg                   |
| 2.2   | Weight on front axle (laden) / rear axle (laden)            |           | 1035 kg / 1690 kg         |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)        |           | 935 kg / 375 kg           |
|       | Wheels  |           |                           |
| 3.1   | Tires type  |           | Polyurethane cushion      |
| 3.3   | Number of load wheels / Size of load wheels                 |           | 4 / 82x68                 |
| 3.4   | Number of stabilizer wheels / Size of the stabilizer wheels |           | 2 / 120x54                |
| 3.5   | Number of front wheels / rear wheels                        |           | 3 / 4                     |
| 3.5.2 | Number of drive wheels / Size of drive wheels               |           | 1/230x70                  |
| 3.6   | Front wheel gauge   | b10       | 558 mm                    |
| 3.7   | Rear wheel gauge  | b11       | 381 mm                    |
|       | Dimensions  |           |                           |
| 4.15  | Fork height in low position                                 | h13       | 87 mm                     |
| 4.19  | Overall length  | l1        | 2044 mm                   |
| 4.20  | Length to face of forks                                     | l2        | 894 mm                    |
| 4.21  | Overall width   | b1        | 820 mm                    |
| 4.22  | Forks section / width / length                              | s / e / l | 70 mm / 185 mm / 1150 mm  |
| 4.24  | Fork carriage width   | b3        | 700 mm                    |
| 4.32  | Ground clearance at centre of wheelbase                     | m2        | 24 mm                     |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                | Ast       | 2481 mm                   |
| 4.35  | Turning radius  | Wa        | 1657 mm                   |
| 4.9   | Height tiller min. / max.                                   | h14 / h14 | 760 mm / 1250 mm          |
|       | Performances  |           |                           |
| 5.1   | Travel speed (laden / unladen)                              |           | 6 km/h / 6 km/h           |
| 5.2   | Lifting speed (laden / unladen)                             |           | 0.18 m/s / 0.30 m/s       |
| 5.3   | Lowering speed (laden / unladen)                            |           | 0.27 m/s / 0.22 m/s       |
| 5.8   | Max Gradeability (laden / unladen)                          |           | 7 % / 10 %                |
| 5.10  | Service brake   |           | Electro magnetic          |
|       | Engine  |           |                           |
| 6.1   | Drive motor rating S2 60 min                                |           | 1.50 kW                   |
| 6.2   | Lift motor rating at S3 15%                                 |           | 3 kW                      |
| 6.3   | Battery according to DIN 43531/35/36 A, B, C                |           | DIN 43535-B               |
| 6.4   | Battery voltage / capacity                                  |           | 24 V / 250 Ah             |
| 6.5   | Battery weight (+/- 5%)                                     |           | 213 kg                    |
|       | Miscellaneous   |           |                           |
| 8.1   | Type of drive control                                       |           | AC                        |
| 8.4   | Sound level at the driver's ear according to DIN 12 053     |           | 65 dB                     |

## ES 614 LI 5P Inox Premium - Dimensional drawing



## Characteristics of masts and residual capacities

| Central Cylinder Duplex (CCD)   |    | CCD 29 |
|---------------------------------|----|--------|
| h1 - Mast lowered height        | mm | 1950   |
| h3 - Mast lifting height        | mm | 2850   |
| h4 - Mast extended height       | mm | 3390   |
| Residual capacity at max height | kg | 1300   |



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