



|     | Technical characteristics                                   |   | Metric           |
|-----|---|---|------------------|
| 1.1 | Manufacturer  |   | Manitou          |
| 1.2 | Model Name  |   | ES 414           |
| 1.3 | Power source  |   | Electrical       |
| 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 | 684 mm           |
| 1.9 | Wheelbase   | y | 1245 mm          |
|     | Weight  |   |                  |
| 2.1 | Service weight  |   | 968 kg           |
| 2.2 | Weight on front axle (laden) / rear axle (laden)            |   | 800 kg / 1624 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen)        |   | 684 kg / 284 kg  |
|     | Wheels  |   |                  |
| 3.1 | Tires type  |   | Polyurethane     |
| 3.3 | Number of load wheels / Size of load wheels                 |   | 2 / 82x68        |
| 3.4 | Number of castor wheels                                     |   | 1                |
| 3.4 | Number of stabilizer wheels / Size of the stabilizer wheels |   | 2 / 125x50       |
| 3.5 | Number of front wheels / rear wheels                        |   |                  |

# Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)    |    | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height        | mm | 1940   | 2190   | 2390   |
| h3 - Mast lifting height        | mm | 2940   | 3440   | 3840   |
| h4 - Mast extended height       | mm | 3365   | 3865   | 4265   |
| Residual capacity at max height | kg | 1250   | 1050   | 850    |
| Height at max capacity          | mm | 2700   | 2700   | 2700   |

| Free Lift Duplex (FLD)          |    | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height        | mm | 1940   | 2190   |
| h2 - Mast free lift             | mm | 1420   | 1670   |
| h3 - Mast lifting height        | mm | 2935   | 3435   |
| h4 - Mast extended height       | mm | 3365   | 3865   |
| Residual capacity at max height | kg | 1250   | 1000   |
| Height at max capacity          | mm | 2700   | 2700   |



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