Technical sheet:

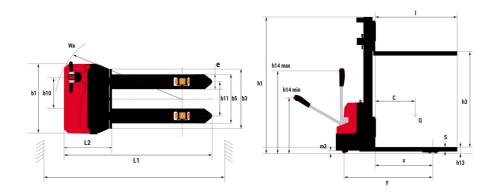
## ES 112 EASY





|       |   | ES 112 EASY UR | eated on August 30, 2025 at 7.57 PM OTC |
|-------|---|----------------|---|
|       | Technical characteristics                                   |                | Metric                                  |
| 1.1   | Manufacturer  |                | MANITOU                                 |
| 1.2   | Model Name  |                | ES 112 Easy                             |
| 1.3   | Power source  |                | Electrical - Lithium                    |
| 1.4   | Operator type   |                | Pedestrian                              |
| 1.5   | Max. capacity   | Q              | 1200 kg                                 |
| 1.6   | Load center of gravity                                      | C              | 600 mm                                  |
| 1.8   | Distance from Load backrest to center of rear axle          | X              | 798 mm                                  |
| 1.9   | Wheelbase   | у              | 1198 mm                                 |
|       | Weight  |                |   |
| 2.1   | Service weight  |                | 610 kg                                  |
| 2.2   | Weight on front axle (laden) / rear axle (laden)            |                | 645 kg / 1165 kg                        |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)        |                | 448 kg / 162 kg                         |
|       | Wheels  |                | <u> </u>                                |
| 3.1   | Tires type  |                | Polyurethane                            |
| 3.3   | Number of load wheels / Size of load wheels                 |                | 4 / 80x64                               |
| 3.4   | Number of stabilizer wheels / Size of the stabilizer wheels |                | 1 / 80 x 64                             |
| 3.5   | Number of front wheels / rear wheels                        |                | 2 / 4                                   |
| 3.5.2 | Number of drive wheels / Size of drive wheels               |                | 1/210x70                                |
| 3.6   | Front wheel gauge   | b10            | 566 mm                                  |
| 3.7   | Rear wheel gauge  | b11            | 396 mm                                  |
|       | Dimensions  |                |   |
| 4.15  | Fork height in low position                                 | h13            | 85 mm                                   |
| 4.19  | Overall length  | I1             | 1700 mm                                 |
| 4.20  | Length to face of forks                                     | 12             | 560 mm                                  |
| 4.21  | Overall width   | b1             | 800 mm                                  |
| 4.22  | Forks section / width / length                              | s / e / l      | 60 mm / 170 mm / 1150 mm                |
| 4.24  | Fork carriage width   | b3             | 680 mm                                  |
| 4.25  | Forks spread  | b5             | 560 mm                                  |
| 4.31  | Ground clearance below mast                                 | m1             | 26 mm                                   |
| 4.32  | Ground clearance at centre of wheelbase                     | m2             | 26 mm                                   |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways               | Ast            | 2226 mm                                 |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                | Ast            | 2169 mm                                 |
| 4.35  | Turning radius  | Wa             | 1402 mm                                 |
|       | Performances  |                |   |
| 5.1   | Travel speed (laden / unladen)                              |                | 4.50 km/h / 5 km/h                      |
| 5.2   | Lifting speed (laden / unladen)                             |                | 0.11 m/s / 0.15 m/s                     |
| 5.3   | Lowering speed (laden / unladen)                            |                | 0.12 m/s / 0.12 m/s                     |
| 5.8   | Max Gradeability (laden / unladen)                          |                | 6 % / 10 %                              |
| 5.10  | Service brake   |                | Electro magnetic                        |
|       | Engine  |                | ,                                       |
| 6.1   | Drive motor rating S2 60 min                                |                | 0.65 kW                                 |
| 6.2   | Lift motor rating at S3 15%                                 |                | 2.20 kW                                 |
| 6.4   | Battery voltage / capacity                                  |                | 24 V / 60 Ah                            |
|       | Battery technology  |                | Lithium-ion                             |
| 6.5   | Battery weight (+/- 5%)                                     |                | 18 kg                                   |
|       | Miscellaneous   |                |   |
| 8.1   | Type of drive control                                       |                | DC                                      |
| 8.4   | Sound level at the driver's ear according to DIN 12 053     |                | 65 dB                                   |
|       | <u> </u>  |                |   |

## ES 112 Easy - Dimensional drawing



## Characteristics of masts and residual capacities

| Central Cylinder Duplex (CCD)   |    | CCD 27 | CCD 36 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height        | mm | 1924   | 2458   |
| h3 - Mast lifting height        | mm |        | 3600   |
| h4 - Mast extended height       | mm | 3274   | 4258   |
| Residual capacity at max height | kg | 1000   | 600    |
| Height at max capacity          | mm | 2500   | 2500   |

| Central Cylinder Simplex (CCS)  | CCS 11 | CCS 15 |      |
|---------------------------------|--------|--------|------|
| h1 - Mast lowered height        | mm     | 1716   | 1992 |
| h2 - Mast free lift             | mm     | 1100   | 1475 |
| h3 - Mast lifting height        | mm     | 1100   | 1500 |
| h4 - Mast extended height       | mm     | 1716   | 2015 |
| Residual capacity at max height | kg     | 1200   | 1200 |
| Height at max capacity          | mm     | 1100   | 1500 |





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