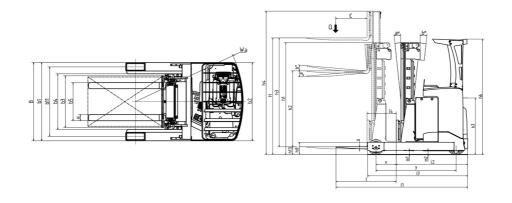
Technical sheet:

## **ER 12**



|        |   | ER 12 Cleate | ed off December 15, 2025 at 8.26 PM 010 |  |  |
|--------|---|--------------|---|--|--|
|        | Technical characteristics                               |              | Metric                                  |  |  |
| 1.1    | Manufacturer  |              | Manitou                                 |  |  |
| 1.2    | Model Name  |              | ER 12                                   |  |  |
| 1.3    | Power source  |              | Electrical - Lead                       |  |  |
| 1.4    | Operator type   |              | Seated                                  |  |  |
| 1.5    | Max. capacity   | Q            | 1200 kg                                 |  |  |
| 1.6    | Load center of gravity                                  | c            | 600 mm                                  |  |  |
| 1.8    | Load distance, centre of drive axle to fork             | х            | 335 mm                                  |  |  |
| 1.9    | Wheelbase   | У            | 1378 mm                                 |  |  |
|        | Weight  |              |   |  |  |
| 2.1    | Service weight  |              | 2580 kg                                 |  |  |
|        | Wheels  |              |   |  |  |
| 3.1    | Tires type  |              | Polyurethane cushion                    |  |  |
| 3.5.2  | Number of drive wheels - Size of drive wheels           |              | 1 x 355 x 155                           |  |  |
| 3.3    | Number of load wheels - Size of load wheels             |              | 2 x 220 x 85                            |  |  |
| 3.5    | Number of front wheels / rear wheels                    |              | 1/2                                     |  |  |
| 3.6    | Front wheel gauge                                       | b10          | 0 mm                                    |  |  |
| 3.7    | Rear wheel gauge  | b11          | 995 mm                                  |  |  |
|        | Dimensions  |              |   |  |  |
| 4.8    | Seat height/stand height                                | h7           | 1077 mm                                 |  |  |
| 4.19   | Overall length  | l1           | 2413 mm                                 |  |  |
| 4.20   | Length to face of forks                                 | 12           | 1263 mm                                 |  |  |
| 4.21   | Overall width   | b1           | 1120 mm                                 |  |  |
| 4.22   | Forks section / width / length                          | s / e / l    | 40 mm x 100 mm / 1150 mm                |  |  |
| 4.23   | Fork carriage ISO 2328 (class/form) A/B                 |              | 2A                                      |  |  |
| 4.26   | Distance between wheel arms/loading surfaces            | b4           | 900 mm                                  |  |  |
| 4.25.1 | Width over forks min. / max.                            | b5           | 316 mm / 697 mm                         |  |  |
| 4.32   | Ground clearance at centre of wheelbase                 | m2           | 70 mm                                   |  |  |
| 4.33   | Aisle width for 1000 x 1200 pallet lengthways           |              | 2694 mm                                 |  |  |
| 4.34   | Aisle width for 800 x 1200 pallet lengthways            | Ast          | 2751 mm                                 |  |  |
| 4.35   | Turning radius  | Wa           | 1598 mm                                 |  |  |
| 4.7    | Height of overhead guard (cabin)                        | h6           | 2205 mm                                 |  |  |
|        | Performances  |              |   |  |  |
| 5.1    | Travel speed (laden / unladen)                          |              | 12.30 km/h / 12.50 km/h                 |  |  |
| 5.2    | Lifting speed (laden / unladen)                         |              | 0.50 m/s / 0.65 m/s                     |  |  |
| 5.3    | Lowering speed (laden / unladen)                        |              | 0.58 m/s / 0.55 m/s                     |  |  |
| 5.4.1  | Reach speed (with load / without load)                  |              | 0.20 m/s / 0.20 m/s                     |  |  |
| 5.7    | Gradeability (laden / unladen)                          |              | 7.50 % / 11.10 %                        |  |  |
| 5.10   | Service brake   |              | Electric                                |  |  |
|        | Engine  |              |   |  |  |
| 6.1    | Drive motor rating S2 60 min                            |              | 5.90 kW                                 |  |  |
| 6.2    | Lift motor rating at S3 15%                             |              | 11 kW                                   |  |  |
| 6.3    | Battery according to DIN 43531/35/36 A, B, C            |              | DIN43531 B                              |  |  |
| 6.4    | Battery voltage / capacity                              |              | 48 V / 310 Ah                           |  |  |
| 6.5    | Battery weight (+/- 5%)                                 |              | 730 kg                                  |  |  |
|        | Miscellaneous   |              |   |  |  |
| 8.1    | Type of drive control                                   |              | Electronic                              |  |  |
| 8.3    | Oil flow rate for attachments                           |              | 25 l/min                                |  |  |
| 8.4    | Sound level at the driver's ear according to DIN 12 053 |              | 57.40 dB                                |  |  |
|        | j ,   |              |   |  |  |

## ER 12 - Dimensional drawing



## Characteristics of masts and residual capacities

| Free Lift Triplex (FLT)                                    |    | FLT 48 | FLT 54 | FLT 57 | FLT 63 | FLT 68 |
|--|----|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward °                     |    | 3      | 3      | 3      | 3      | 3      |
| β - Mast/fork carriage tilt, backward                      |    | 1      | 1      | 1      | 1      | 1      |
| h1 - Mast lowered height                                   | mm | 2140   | 2340   | 2440   | 2640   | 2790   |
| h2 - Mast free lift  | mm | 1600   | 1800   | 1900   | 2100   | 2250   |
| h3 - Mast lifting height                                   | mm | 4800   | 5400   | 5700   | 6300   | 6800   |
| h4 - Mast extended height                                  | mm | 5380   | 5980   | 6280   | 6880   | 7330   |
| Residual capacity with integrated side shift at max heigth | kg | 1200   | 1200   | 1200   | 1000   | 700    |





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