Technical sheet:

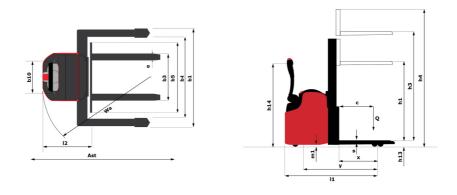
## ES 720 4W





|       |   | <b>ES 720 4W</b> Crea | ted on 30 April 2024 at 4:13:46 AM UTC |
|-------|---|-----------------------|--|
|       | Technical characteristics   |                       | Metric                                 |
| 1.1   | Manufacturer  |                       | MANITOU                                |
| 1.2   | Model Name  |                       | ES 720 4W                              |
| 1.3   | Power source  |                       | Electrical                             |
| 1.4   | Operator type   |                       | Pedestrian                             |
| 1.5   | Max. capacity   | Q                     | 2000 kg                                |
| 1.6   | Load center of gravity  | С                     | 600 mm                                 |
| 1.8   | Load distance, centre of drive axle to fork (low/raised) - Low position | X                     | 690 mm                                 |
| 1.9   | Wheelbase   | у                     | 1194 mm                                |
|       | Wheels  |                       |  |
| 3.1   | Tires type  |                       | Polyurethane                           |
| 3.4   | Dimensions of castor wheels   |                       | 125 x (2x50)                           |
| 3.5   | Number of front wheels / rear wheels                                    |                       | 5 / 4                                  |
| 3.5.2 | Number of drive wheels  |                       | 1                                      |
| 3.6   | Front wheel gauge   | b10                   | 878 mm                                 |
| 3.7   | Rear wheel gauge  | b11                   | 1610 mm                                |
|       | Dimensions  |                       |  |
| 4.15  | Fork height in low position   | h13                   | 50 mm                                  |
| 4.19  | Overall length  | I1                    | 1775 mm                                |
| 4.20  | Length to face of forks   | 12                    | 825 mm                                 |
| 4.21  | Overall width   | b1                    | 1810 mm                                |
| 4.22  | Forks section / width / length  | s / e / l             | 40 mm / 120 mm / 1150 mm               |
| 4.26  | Distance between wheel arms/loading surfaces                            | b4                    | 1450 mm                                |
| 4.24  | Fork carriage width   | b3                    | 1410 mm                                |
| 4.32  | Ground clearance at centre of wheelbase                                 | m2                    | 50 mm                                  |
| 4.35  | Turning radius  | Wa                    | 1476 mm                                |
| 4.9   | Height tiller min. / max.   | h14 / h14             | 1030 mm / 1490 mm                      |
|       | Performances  |                       |  |
| 5.1   | Travel speed (laden / unladen)  |                       | 6 km/h / 6 km/h                        |
| 5.2   | Lifting speed (laden / unladen)   |                       | 0.14 m/s / 0.24 m/s                    |
| 5.3   | Lowering speed (laden / unladen)  |                       | 0.30 m/s / 0.20 m/s                    |
| 5.10  | Service brake   |                       | Electro magnetic                       |
|       | Engine  |                       |  |
| 6.1   | Drive motor rating S2 60 min  |                       | 1.20 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 / 160 Ah                          |
| 6.4.1 | Battery max. capacity   |                       | 250 A                                  |
| 6.5   | Battery weight (+/- 5%)   |                       | 165 kg                                 |
| 6.5.1 | Battery max. weight   |                       | 215 kg                                 |
|       | Miscellaneous   |                       |  |
| 8.1   | Type of drive control   |                       | Variator                               |
| 8.4   | Sound level at the driver's ear according to DIN 12 053                 |                       | 70 dB                                  |

## ES 720 4W - Dimensional drawing



## Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS)  |    | CCS 15 | CCS 17 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height        | mm | 1939   | 2189   |
| h3 - Mast lifting height        | mm | 1466   | 1716   |
| h4 - Mast extended height       | mm | 1946   | 2196   |
| Residual capacity at max height | kg | 2000   | 2000   |
| Height at max capacity          | mm | 1510   | 1760   |

| Full Visibility Duplex (FVD)    |    | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height        | mm | 1939   | 2189   | 2389   |
| h3 - Mast lifting height        | mm | 2896   | 3396   | 3796   |
| h4 - Mast extended height       | mm | 3376   | 2876   | 4276   |
| Residual capacity at max height | kg | 2000   | 1800   | 1600   |
| Height at max capacity          | mm | 2940   |        |        |

| Free Lift Duplex (FLD)          |    | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height        | mm | 1939   | 2189   |
| h2 - Mast free lift             | mm | 1466   | 1716   |
| h3 - Mast lifting height        | mm | 2891   | 3391   |
| h4 - Mast extended height       | mm | 3371   | 3871   |
| Residual capacity at max height | kg | 2000   | 1700   |
| Height at max capacity          | mm | 2930   |        |

| Free Lift Triplex (FLT)         |    | FLT 42 |
|---------------------------------|----|--------|
| h1 - Mast lowered height        | mm | 1897   |
| h2 - Mast free lift             | mm | 1426   |
| h3 - Mast lifting height        | mm | 4206   |
| h4 - Mast extended height       | mm | 4709   |
| Residual capacity at max height | kg | 1300   |





## **Head Office**

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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