Technical sheet:

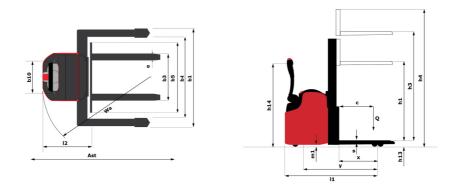
ES 720 4W





| | | ES 720 4W Cr | eated on 1 May 2024 at 5:32:03 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 | l1 | 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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes