Technical sheet :







| | Technical characteristics | |
|-------|---|---------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | c |
| 1.8 | Distance from Load backrest to center of rear axle | x |
| 1.9 | Wheelbase | у |
| | Weight | , |
| 2.1 | Service weight | |
| | Wheels | |
| 3.1 | Tires type | |
| 3.3 | Number of load wheels / Size of load wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.5.2 | Number of drive wheels / Size of drive wheels | |
| 3.7 | Rear wheel gauge | b11 |
| 5.7 | Dimensions | 011 |
| 4.15 | Fork height in low position | h13 |
| 4.19 | Overall length | 113 |
| 4.10 | Length to face of forks | 12 |
| 4.20 | Overall width | b1 |
| 4.21 | Forks section / width / length | s/e, |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | 3/0/ |
| 4.24 | Fork carriage width | b3 |
| 4.31 | Ground clearance below mast | m1 |
| 4.31 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast |
| 4.35 | Tuming radius | Wa |
| 4.9 | Height tiller min. / max. | h14 / h |
| 4.5 | Performances | 111471 |
| 5.1 | Travel speed (laden / unladen) | |
| 5.2 | Lifting speed (laden / unladen) | |
| 5.3 | Lowering speed (laden / unladen) | |
| 5.8 | Max Gradeability (laden / unladen) | |
| 5.10 | Service brake | |
| 0.10 | Engine | |
| 6.1 | Drive motor rating S2 60 min | |
| 6.2 | Lift motor rating at S3 15% | |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | |
| 6.4 | Battery voltage / capacity | |
| 6.5 | Battery weight (+/- 5%) | |
| 0.5 | Miscellaneous | |
| 8.1 | Type of drive control | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |
| 0.4 | Sound rever at the unversited according to DNN 12 035 | |

| ES-C 504 | Created on August 12, 2025 at 7:17 PM UTC |
|-----------|---|
| | Metric |
| | Manitou |
| | ES-C 504 |
| | Electrical |
| | Pedestrian |
| Q | 400 kg |
| С | 400 mm |
| x | 96 mm |
| у | 817 mm |
| | |
| | 1120 kg |
| | |
| | Polyurethane |
| | 2 / 150x70 |
| | 1 / 2 |
| | 1/230x70 |
| b11 | 826 mm |
| | |
| h13 | 35 mm |
| 11 | 1900 mm |
| 12 | 1100 mm |
| b1 | 923 mm |
| s / e / l | 30 mm / 100 mm / 800 mm |
| | 28 |
| b3 | 750 mm |
| m1 | 60 mm |
| m2 | 69 mm |
| Ast | 2595 mm |
| Ast | 2705 mm |
| Wa | 1130 mm |
| h14 / h14 | 830 mm / 1385 mm |
| | 6 km/h / 6 km/h |
| | 0.18 m/s / 0.30 m/s |
| | 0.27 m/s / 0.22 m/s |
| | 7 % / 10 % |
| | Electro magnetic |
| | Liecuo magneuc |

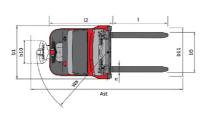
1.50 kW

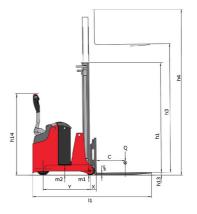
3 kW DIN 43535-B 24 V / 180 Ah 175 kg

AC

65 dB

ES-C 504 - Dimensional drawing





Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS) | | CCS 15 | CCS 17 |
|---|----|--------|--------|
| a - Mast/fork carriage tilt, forward | ٥ | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | 6 | 6 |
| h1 - Mast lowered height | mm | 1931 | 2181 |
| h2 - Mast free lift | mm | 1420 | 1670 |
| h3 - Mast lifting height | mm | 1420 | 1670 |
| h4 - Mast extended height | mm | 2070 | 2320 |
| Residual capacity at max height | kg | 400 | 400 |

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 |
|---|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 4 | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | б | б | 6 |
| h1 - Mast lowered height | mm | 1931 | 2181 | 2381 |
| h3 - Mast lifting height | mm | 2850 | 3350 | 3750 |
| h4 - Mast extended height | mm | 3500 | 4000 | 4400 |
| Residual capacity at max height | kg | 400 | 400 | 300 |

| Free Lift Duplex (FLD) | | FLD 29 | FLD 34 |
|---|----|--------|--------|
| a - Mast/fork carriage tilt, forward | ۰ | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | 6 | 6 |
| h1 - Mast lowered height | mm | 1931 | 2181 |
| h2 - Mast free lift | mm | 1420 | 1670 |
| h3 - Mast lifting height | mm | 2850 | 3355 |
| h4 - Mast extended height | mm | 3500 | 4000 |
| Residual capacity at max height | kg | 400 | 400 |

| Free Lift Triplex (FLT) | | FLT 42 |
|---|----|--------|
| a - Mast/fork carriage tilt, forward | ۰ | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | 6 |
| h1 - Mast lowered height | mm | 1956 |
| h2 - Mast free lift | mm | 1380 |
| h3 - Mast lifting height | mm | 4160 |
| h4 - Mast extended height | mm | 4810 |
| Residual capacity at max height | kg | 200 |



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