Technical sheet :





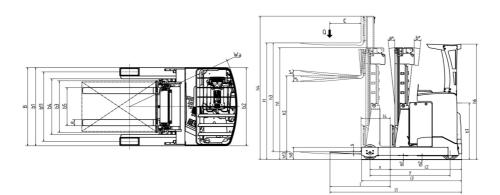
| | Technical characteristics | |
|--------|---|-----------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | С |
| 1.8 | Load distance, centre of drive axle to fork | х |
| 1.9 | Wheelbase | у |
| | Weight | |
| 2.1 | Service weight | |
| | Wheels | |
| 3.1 | Tires type | |
| 3.5.2 | Number of drive wheels - Size of drive wheels | |
| 3.3 | Number of load wheels - Size of load wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.6 | Front wheel gauge | b10 |
| 3.7 | Rear wheel gauge | b11 |
| | Dimensions | |
| 4.7 | Height of overhead guard (cabin) | h6 |
| 4.8 | Seat height/stand height | h7 |
| 4.19 | Overall length | 11 |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.22 | Forks section / width / length | s / e / l |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4.26 | Distance between wheel arms/loading surfaces | b4 |
| 4.25.1 | Width over forks min. / max. | b5 |
| 4.32 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle width for 1000 x 1200 pallet lengthways | |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast |
| 4.35 | Tuming radius | Wa |
| | Performances | |
| 5.1 | Travel speed (laden / unladen) | |
| 5.2 | Lifting speed (laden / unladen) | |
| 5.3 | Lowering speed (laden / unladen) | |
| 5.4.1 | Reach speed (with load / without load) | |
| 5.7 | Gradeability (laden / unladen) | |
| 5.10 | Service brake | |
| | 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%) | |
| | Miscellaneous | |
| 8.1 | Type of drive control | |
| 8.3 | Oil flow rate for attachments | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |
| | | |

| e r 12 Ci | reated on . | April 28, | 2024 at | 11:14:19 | PM UTC |
|------------------|-------------|-----------|---------|----------|--------|
|------------------|-------------|-----------|---------|----------|--------|

E

| | Metric |
|----------|--------------------------|
| | Manitou |
| | ER 12 |
| | Electrical |
| | Seated |
| 2 | 1200 kg |
|) | 600 mm |
| (| 307 mm |
| / | 1378 mm |
| | |
| | 2580 kg |
| | |
| | Vulkollan |
| | 1 x 355 x 155 |
| | 2 x 220*85 |
| | 1/2 |
| 10 | 0 mm |
| 11 | 995 mm |
| | |
| 6 | 2205 mm |
| 7 | 1077 mm |
| 1 | 2413 mm |
| 2 | 1263 mm |
| 1 | 1120 mm |
| e / I | 40 mm x 100 mm / 1150 mm |
| | 2A |
| 4 | 900 mm |
| 5 | 316 mm / 697 mm |
| 12 | 70 mm |
| | 2701 mm |
| st /a | 2768 mm 1598 mm |
| la | 1398 1111 |
| | 12.30 km/h / 12.50 km/h |
| | 0.46 m/s / 0.54 m/s |
| | 0.40 m/s / 0.54 m/s |
| | 0.30 m/s / 0.00 m/s |
| | 7.50 % / 11.10 % |
| | Electric |
| | |
| | 5.90 kW |
| | 11 kW |
| | DIN43531 B |
| | 48 V / 420 Ah |
| | 730 kg |
| | |
| | Electronic |
| | 25 l/min |
| | 57.40 dB |
| | |

ER 12 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 32 | FVD 36 | FVD 38 | FVD 42 | FVD 45 | FVD 48 |
|--|----|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 4 | 4 | 4 | 4 | 4 | 4 |
| Mast/fork carriage tilt, backward | ۰ | 1 | 1 | 1 | 1 | 1 | 1 |
| h1 - Mast lowered height | mm | 2170 | 2370 | 2470 | 2670 | 2820 | 2970 |
| h2 - Mast free lift | mm | 125 | 125 | 125 | 125 | 125 | 125 |
| h3 - Mast lifting height | mm | 3200 | 3600 | 3800 | 4200 | 4500 | 4800 |
| h4 - Mast extended height | mm | 3780 | 4180 | 4380 | 4780 | 5080 | 5380 |
| Residual capacity with integrated side shift at max heigth | kg | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 |

| Free Lift Triplex (FLT) | | FLT 48 | FLT 54 | FLT 57 | FLT 63 | FLT 68 |
|--|----|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ۰ | 3 | 3 | 3 | 3 | 3 |
| Mast/fork carriage tilt, backward | ٥ | 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 |



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