Technical sheet :



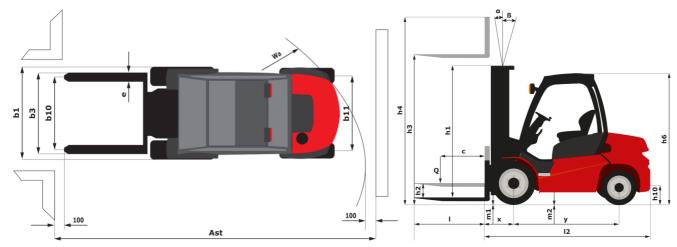




| | Technical characteristics | |
|-------|---|------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | С |
| 1.8 | Load distance, centre of drive axle to fork | х |
| 1.9 | Wheelbase | у |
| | Weight | |
| 2.1 | Service weight | |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | |
| | Wheels | |
| 3.1 | Tires type | |
| 3.2 | Dimensions of front wheels | |
| 3.3 | Dimensions of rear wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.5.2 | Number of drive 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 | 1 |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.22 | Forks section / width / length | s/e/ |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | 0,0, |
| 4.24 | Fork carriage width | b3 |
| 4.31 | Ground clearance below mast | m1 |
| 4.32 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast |
| 4.35 | Tuming radius | Wa |
| 4.00 | Performances | |
| 5.1 | Travel speed (laden / unladen) | |
| 5.2 | Lifting speed (laden / unladen) | |
| 5.3 | Lowering speed (laden / unladen) | |
| 5.5 | Drawbar pull (Laden / Unladen) | |
| 5.7 | Gradeability (laden / unladen) | |
| 5.10 | Service brake | |
| 5.10 | Engine | |
| 7.1 | Engine brand / model / norm | |
| 7.1 | I.C. Engine power rating | |
| 7.2 | Rated speed | |
| 7.3 | Number of cylinders / Capacity of cylinders | |
| 7.4 | | |
| 8.1 | Miscellaneous Type of drive control | |
| 8.1 | | |
| | Working hydraulic pressure for attachments | |
| 8.3 | Oil flow rate for attachments | |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |

| MSI-X 35 | Created on August 12, 2025 at 7:52 PM UTC |
|-----------|---|
| | Metric |
| | Manitou |
| | MSI-X 35 |
| | Diesel |
| | Seated |
| Q | 3500 kg |
| С | 500 mm |
| х | 631 mm |
| у | 1900 mm |
| | |
| | 4645 kg |
| | 7260 kg / 885 kg |
| | 1680 kg / 2965 kg |
| | |
| | Pneumatic |
| | 300-15/18 6T P43 |
| | 7.00-12/12 ED PLUS |
| | 2 / 2 |
| b10 | 2 1044 mm |
| b10 | 1108 mm |
| DIT | |
| h6 | 2095 mm |
| h7 | 972 mm |
| 11 | 4239 mm |
| 12 | 3189 mm |
| b1 | 1330 mm |
| s / e / l | 50 mm x 122 mm x 1150 mm |
| | 3A |
| b3 | 1260 mm |
| m1 | 260 mm |
| m2 | 238 mm |
| Ast | 4661 mm |
| Wa | 2680 m |
| | |
| | 18 km/h-22 km/h |
| | 0.50 m/s-0.50 m/s 0.50 m/s-0.30 m/s |
| | 2070 daN / 1380 daN |
| | 26 % / 31 % |
| | Hydraulic brakes by loss of pressure |
| | |
| | Kubota / V2403 / Stage IIIA |
| | 36 kW |
| | 2700 rpm |
| | 4 - 2434 cm ³ |
| | |
| | Cable |
| | 180 bar |
| | 45 l/min |
| | < 80 dB |
| | 80 dB |
| | |

MSI-X 35 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 37 | FVD 40 | FVD 45 |
|---------------------------------------|----|--------|--------|--------|--------|--------|
| a - Mast/fork carriage tilt, forward | ٥ | 10 | 10 | 3500 | 10 | 10 |
| β - Mast/fork carriage tilt, backward | ٥ | 12 | 12 | 3500 | 12 | 12 |
| h1 - Mast lowered height | mm | 2136 | 2286 | 2546 | 2736 | 2986 |
| h2 - Mast free lift | mm | 90 | 90 | 90 | 90 | 90 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 3700 | 4000 | 4500 |
| h4 - Mast extended height | mm | 3738 | 4038 | 4438 | 4738 | 5238 |
| Residual capacity at max height | kg | 3500 | 3500 | | | |
| Height at max capacity | mm | 3000 | 3700 | 3700 | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 | FLT 60 |
|---------------------------------------|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ٥ | 10 | 10 | 10 | 10 | 10 | б | 6 |
| β - Mast/fork carriage tilt, backward | ٥ | 12 | 12 | 12 | 12 | 12 | 6 | 6 |
| h1 - Mast lowered height | mm | 1936 | 2036 | 2136 | 2286 | 2386 | 2736 | 2986 |
| h2 - Mast free lift | mm | 1208 | 1308 | 1408 | 1558 | 1658 | 2008 | 2258 |
| h3 - Mast lifting height | mm | 3400 | 3700 | 4000 | 4300 | 4700 | 5500 | 6000 |
| h4 - Mast extended height | mm | 4184 | 4484 | 4784 | 5084 | 5484 | 6284 | 6784 |
| Residual capacity at max height | kg | 3500 | | | | | | |
| Height at max capacity | mm | 3400 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

| Full Visibility Triplex (FVT) | | FVT 33 |
|---|----|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 10 |
| β - Mast/fork carriage tilt, backward | ٥ | 12 |
| h1 - Mast lowered height | mm | 1826 |
| h2 - Mast free lift | mm | 82 |
| h3 - Mast lifting height | mm | 3300 |
| h4 - Mast extended height | mm | 4027 |
| Height at max capacity | mm | 2500 |



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