

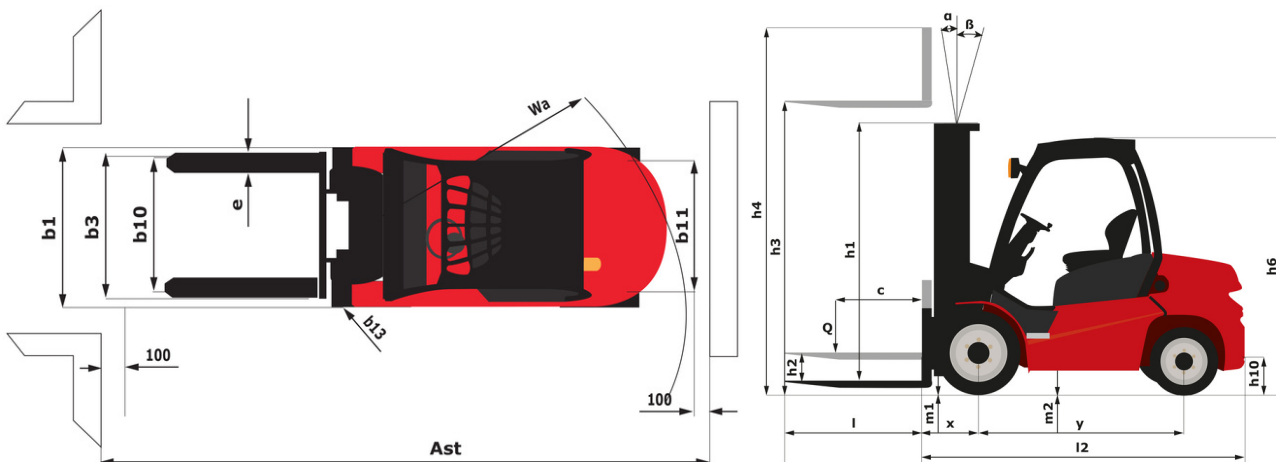
Technical sheet :

MI-X 40 D FOB



| Technical characteristics | | Metric | |
|---------------------------|---|-----------|----------------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | MI-X 40 D FOB |
| 1.3 | Power source | | Diesel |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 4000 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 550 mm |
| 1.9 | Wheelbase | y | 2000 mm |
| Weight | | | |
| 2.1 | Service weight | | 6300 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 9000 kg / 1300 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 2800 kg / 3500 kg |
| Wheels | | | |
| 3.1 | Tires type | | Pneumatic |
| 3.2 | Dimensions of front wheels | | 5.25-15-14PR |
| 3.3 | Dimensions of rear wheels | | 7.00-12-12PR |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 2 |
| 3.6 | Front wheel gauge | b10 | 1160 mm |
| 3.7 | Rear wheel gauge | b11 | 1130 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 2390 mm |
| 4.8 | Seat height/stand height | h7 | 1370 mm |
| 4.12 | Height of towing bar (coupling height) | h10 | 445 mm |
| 4.19 | Overall length | l1 | 4290 mm |
| 4.20 | Length to face of forks | l2 | 3070 mm |
| 4.21 | Overall width | b1 | 1395 mm |
| 4.21 | Overall width - Single wheels | b1 | 1395 mm |
| 4.21 | Overall width - Twinned wheels | b1 | 1940 mm |
| 4.22 | Forks section / width / length | s / e / l | 50 mm x 122 mm x 1220 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 3A |
| 4.24 | Fork carriage width | b3 | 1250 mm |
| 4.31 | Ground clearance below mast | m1 | 170 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 230 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 4642 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 4775 mm |
| 4.35 | Turning radius | Wa | 2780 mm |
| 4.36 | Internal turning radius (over tyres) | b13 | 135 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 22 km/h-24 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.46 m/s-0.48 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.50 m/s-0.50 m/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 3800 daN / 2200 daN |
| 5.7 | Gradeability (laden / unladen) | | 35 % / 37 % |
| 5.10 | Service brake | | Hydraulic |
| | Transmission type | | Torque converter |
| Engine | | | |
| 7.1 | Engine brand / model / norm | | Perkins / 1104 D 44 / Stage IIIA |
| 7.2 | I.C. Engine power rating | | 56 kW |
| 7.3 | Rated speed | | 2200 rpm |
| 7.4 | Number of cylinders / Capacity of cylinders | | 4 - 4400 cm³ |
| Miscellaneous | | | |
| 8.2 | Working hydraulic pressure for attachments | | 160 bar |
| 8.3 | Oil flow rate for attachments | | 90 l/min |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | | < 87 dB |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 87 dB |

MI-X 40 D FOB - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 | 12 | 12 | 6 | 6 |
| h1 - Mast lowered height | mm | 2245 | 2395 | 2495 | 2595 | 2795 | 3070 | 3345 |
| h2 - Mast free lift | mm | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 3500 | 3700 | 4000 | 4500 | 5000 |
| h4 - Mast extended height | mm | 4170 | 4470 | 4670 | 4870 | 5170 | 5670 | 6170 |
| Residual capacity at max height | kg | 4000 | 4000 | 4000 | 4000 | 4000 | 3700 | 3200 |
| Residual capacity with integrated side shift at max height | kg | 4000 | 4000 | 4000 | 4000 | 4000 | 3600 | 3100 |
| Height at max capacity | mm | 3000 | 3300 | 3500 | 3700 | 4000 | 4000 | 4000 |
| Height at max capacity with integrated sideshift | mm | 3000 | 3300 | 3500 | 3700 | 4000 | 4000 | 4000 |

| Free Lift Duplex (FLD) | | FLD 30 | FLD 33 | FLD 35 | FLD 37 |
|--|----|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2226 | 2376 | 2476 | 2576 |
| h2 - Mast free lift | mm | 1364 | 1514 | 1614 | 1714 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 3500 | 3700 |
| h4 - Mast extended height | mm | 4170 | 4470 | 4670 | 4870 |
| Residual capacity at max height | kg | 4000 | 4000 | 4000 | 4000 |
| Residual capacity with integrated side shift at max height | kg | 4000 | 4000 | 4000 | 4000 |
| Height at max capacity | mm | 3000 | 3300 | 3500 | 3700 |
| Height at max capacity with integrated sideshift | mm | 3000 | 3300 | 3500 | 3700 |

| Free Lift Triplex (FLT) | | FLT 40 | FLT 43 | FLT 45 | FLT 47 | FLT 50 | FLT 55 | FLT 60 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 6 | 6 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height | mm | 2080 | 2180 | 2248 | 2310 | 2410 | 2575 | 2790 |
| h2 - Mast free lift | mm | 1229 | 1329 | 1395 | 1459 | 1559 | 1724 | 1939 |
| h3 - Mast lifting height | mm | 4000 | 4300 | 4500 | 4700 | 5000 | 5500 | 6000 |
| h4 - Mast extended height | mm | 5170 | 5470 | 5685 | 5870 | 6170 | 6670 | 7180 |
| Residual capacity at max height | kg | 4000 | 3900 | 3500 | 3300 | 3100 | 2800 | 2300 |
| Residual capacity with integrated side shift at max height | kg | 3900 | 3800 | 3400 | 3200 | 3000 | 2700 | 2200 |
| Height at max capacity | mm | 4000 | 2500 | 4000 | 4000 | 4000 | 2500 | 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