Technical sheet :



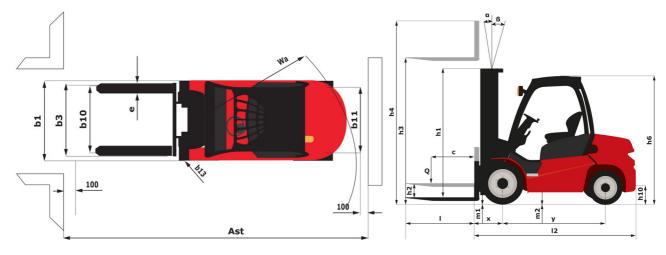




	Technical characteristics
.1	Manufacturer
.2	Model Name
.3	Power source
.4	Operator type
.5	Max. capacity
.6	Load center of gravity
.8	Load distance, centre of drive axle to fork
.9	Wheelbase
.,	Weight
.1	Service weight
.2	Weight on front axle (laden) / rear axle (laden)
.2	
3	Weight on front axle (Unladen) / rear axle (Unladen)
1	Wheels The second s
1	Tires type
2	Dimensions of front wheels
3	Dimensions of rear wheels
5	Number of front wheels / rear wheels
2	Number of drive wheels
5	Front wheel gauge
,	Rear wheel gauge
	Dimensions
	Height of overhead guard (cabin)
	Seat height/stand height
2	Height of towing bar (coupling height)
)	Overall length
)	Length to face of forks
	Overall width
1	Overall width - Single wheels
2	Forks section / width / length
4	Fork carriage width
1	Ground clearance below mast
2	Ground clearance at centre of wheelbase
3	Aisle Width for pallets 1000 x 1200 crossways
4	Aisle width for 800 x 1200 pallet lengthways
5	Turning radius
6	Internal turning radius (over tyres)
	Performances
	Travel speed (laden / unladen)
	Lifting speed (laden / unladen)
	Lowering speed (laden / unladen)
	Drawbar pull (Laden / Unladen)
	Gradeability (laden / unladen)
D	Service brake
	Transmission type
	Engine
	Engine brand / model / norm
	I.C. Engine power rating
	Rated speed
1	Number of cylinders / Capacity of cylinders
	Miscellaneous
	Working hydraulic pressure for attachments
	Oil flow rate for attachments
Ļ	Measured/guaranteed mean noise level at the ear of the operator
	Sound level at the driver's ear according to DIN 12 053

	Metric
	Manitou
	MI-X 100 D
	Diesel
	Seated
0	
Q	10000 kg
С	600 mm
х	732 mm
у	2800 mm
	13590 kg
	21330 kg / 2560 kg
	6430 kg / 7160 kg
	Pneumatic
	9.00-20-14PR
	9.00-20-14PR
	4/2
	4
b10	1628 mm
b11	1700 mm
h6	2580 mm
h7	1505 mm
h10	505 mm
11	5742 mm
12	4242 mm
b1	2165 mm
b1	2165 mm
/e/l	80 mm x 160 mm x 1520 mm
b3	2044 mm
m1	190 mm
m2	339 mm
Ast	5973 mm
Ast	6134 mm
Wa	3940 mm
b13	1396 mm
	26 km/h-31 km/h
	0.32 m/s-0.35 m/s
	0.45 m/s-0.36 m/s
	8300 daN / 5400 daN
	44 % / 44 %
	Hydraulic
	Torque converter
	Cummins / QSB4,5 / Stage IIIA
	82 kW
	2200 rpm
	4 - 4500 cm ³
	195 bar
	180 l/min
	< 88 dB
	88 dB

MI-X 100 D - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
a - Mast/fork carriage tilt, forward	٥	6	б	6	б	6	6
β - Mast/fork carriage tilt, backward	٥	12	12	12	12	6	6
h1 - Mast lowered height	mm	2850	3000	3150	3350	3650	3900
h2 - Mast free lift	mm	200	200	200	200	200	200
h3 - Mast lifting height	mm	3000	3300	3600	4000	4500	5000
h4 - Mast extended height	mm	4555	4855	5155	5555	6055	6555
Residual capacity at max height	kg	10000	10000	10000	10000	10000	10000
Height at max capacity	mm	3000	3300	3600	4000	4500	5000

Free Lift Triplex (FLT)		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	٥	6	6	б	3	3
β - Mast/fork carriage tilt, backward	٥	6	6	6	6	6
h1 - Mast lowered height	mm	2850	2850	3050	3200	3350
h2 - Mast free lift	mm	1305	1405	1505	1655	1805
h3 - Mast lifting height	mm	4500	4800	5000	5500	6000
h4 - Mast extended height	mm	6055	6355	6555	7055	7555
Residual capacity at max height	kg	8500	8500	8200	7700	7000
Height at max capacity	mm	4500	4800	5000	5500	6000



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