

Technical sheet :

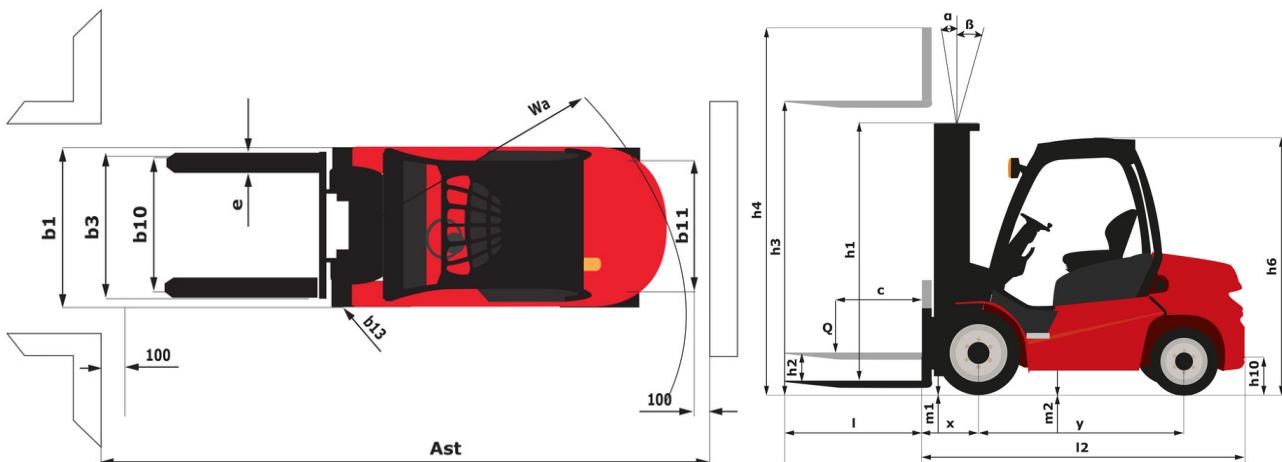
# MI-X 30 D



 **MANITOU**  
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Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	MI-X 30 D	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	3000 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	480 mm	
1.9	Wheelbase	1700 mm	
Weight		Weight	
2.1	Service weight	4610 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	6650 kg / 960 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	1860 kg / 2750 kg	
Wheels		Wheels	
3.1	Tires type	Solid tires	
3.2	Dimensions of front wheels	28-9 15 12	
3.3	Dimensions of rear wheels	6.50-10 10	
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	2	
3.6	Front wheel gauge	1005 mm	
3.7	Rear wheel gauge	975 mm	
Dimensions		Dimensions	
4.8	Seat height/stand height	1215 mm	
4.7	Height of overhead guard (cabin)	2130 mm	
4.12	Height of towing bar (coupling height)	355 mm	
4.19	Overall length	3875 mm	
4.20	Length to face of forks	2715 mm	
4.21	Overall width	1225 mm	
4.21	Overall width - Single wheels	1225 mm	
4.22	Forks section / width / length	45 mm x 122 mm x 1150 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	3A	
4.24	Fork carriage width	1100 mm	
4.31	Ground clearance below mast	130 mm	
4.32	Ground clearance at centre of wheelbase	200 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	4140 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	4340 mm	
4.35	Turning radius	2460 mm	
4.36	Internal turning radius (over tyres)	160 mm	
Performances		Performances	
5.1	Travel speed (laden / unladen)	18 km/h-18.50 km/h	
5.2	Lifting speed (laden / unladen)	0.45 m/s-0.52 m/s	
5.3	Lowering speed (laden / unladen)	0.43 m/s-0.48 m/s	
5.5	Drawbar pull (Laden / Unladen)	1600 daN / 1380 daN	
5.7	Gradeability (laden / unladen)	20 % / 20 %	
5.10	Service brake	Hydraulic	
	Transmission type	Torque converter	
Engine		Engine	
7.1	Engine brand / model / norm	Yanmar / 4TNV94L-BXPHZ / Stage IIIA	
7.2	Engine power (Hp / kW)	48 Hp/35 kW	
7.3	Rated speed	2400 rpm	
7.4	Number of cylinders / Capacity of cylinders	4 - 3054 cm <sup>3</sup>	
Miscellaneous		Miscellaneous	
8.2	Working hydraulic pressure for attachments	160 bar	
8.3	Oil flow rate for attachments	69 l/min	
8.4	Measured/guaranteed mean noise level at the ear of the operator	84 dB	
8.4	Sound level at the driver's ear according to DIN 12 053	84 dB	

## MI-X 30 D - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 30	FVD 40
α - Mast/fork carriage tilt, forward °	6	6
β - Mast/fork carriage tilt, backward °	12	12
h1 - Mast lowered height mm	2050	2650
h2 - Mast free lift mm	145	145
h3 - Mast lifting height mm	3000	4000
h4 - Mast extended height mm	3735	4735
Residual capacity at max height kg	3000	3000
Residual capacity with integrated side shift at max height kg	3000	3000
Height at max capacity mm	3000	4000
Height at max capacity with integrated sideshift mm		4000

Free Lift Duplex (FLD)	FLD 33	FLD 37	FLD 40	FVD 33
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	2230	2430	2580	2200
h2 - Mast free lift mm	1475	1675	1825	145
h3 - Mast lifting height mm	3300	3700	4000	3300
h4 - Mast extended height mm	4055	4455	4755	4035
Residual capacity at max height kg	3000	3000	3000	3000
Residual capacity with integrated side shift at max height kg	3000	3000	3000	3000
Height at max capacity mm	3300	3700	4000	3300
Height at max capacity with integrated sideshift mm	3300	3700	4000	3300

Free Lift Triplex (FLT)	FLT 43	FLT 45	FLT 47	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward °	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward °	6	6	6	6	6	6
h1 - Mast lowered height mm	2115	2165	2215	2515	2765	2915
h2 - Mast free lift mm	1360	1410	1460	1760	2010	2160
h3 - Mast lifting height mm	4300	4500	4700	5500	6000	6500
h4 - Mast extended height mm	5055	5305	5455	6255	6805	7255
Residual capacity at max height kg	2950	2900	2800	1850	1400	1300
Residual capacity with integrated side shift at max height kg	2850	2800	2700	1750	1300	1250
Height at max capacity mm	4000	4000	4000	4000	4000	2500
Height at max capacity with integrated sideshift mm	4000	4000	4000			



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## 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](http://www.manitou.com)



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