Technical sheet :

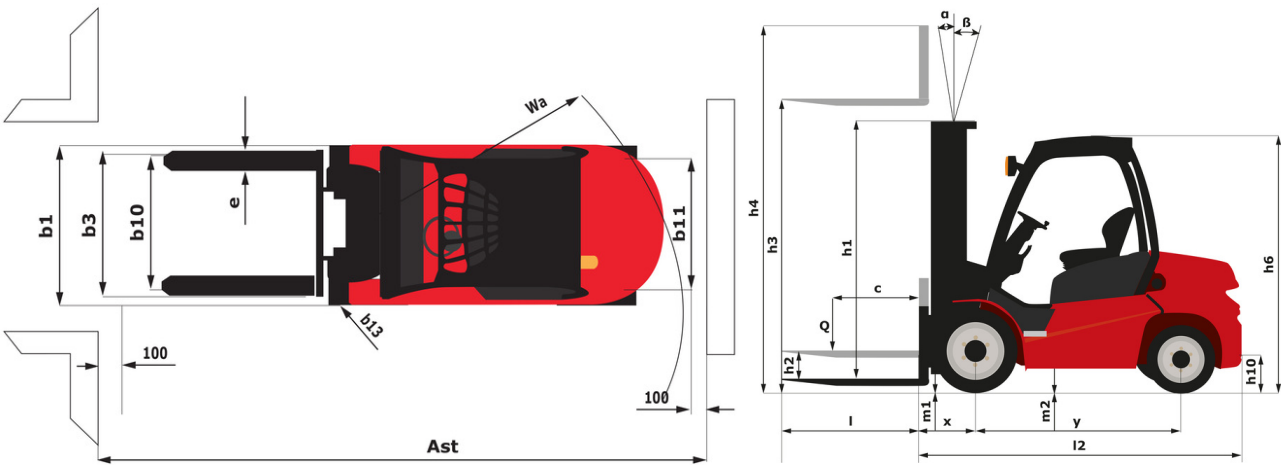
MI-X 100 D



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	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MI-X 100 D	MI-X 100 D
1.3	Power source		Diesel	Diesel
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	10000 kg	22046 lb
1.6	Load center of gravity	c	600 mm	24 in
1.8	Load distance, centre of drive axle to fork	x	732 mm	29 in
1.9	Wheelbase	y	2800 mm	110 in
	Weight			
2.1	Service weight		13590 kg	29961 lb
2.2	Weight on front axle (laden) / rear axle (laden)		21330 kg / 2560 kg	47025 lb / 5644 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		6430 kg / 7160 kg	14176 lb / 15785 lb
	Wheels			
3.1	Tires type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		9.00-20-14PR	9.00-20-14PR
3.3	Dimensions of rear wheels		9.00-20-14PR	9.00-20-14PR
3.5	Number of front wheels / rear wheels		4 / 2	4 / 2
3.5.2	Number of drive wheels		4	4
3.6	Front wheel gauge	b10	1628 mm	64 in
3.7	Rear wheel gauge	b11	1700 mm	67 in
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	2580 mm	102 in
4.8	Seat height/stand height	h7	1505 mm	59 in
4.12	Height of towing bar (coupling height)	h10	505 mm	20 in
4.19	Overall length	l1	5742 mm	226 in
4.20	Length to face of forks	l2	4242 mm	167 in
4.21	Overall width	b1	2165 mm	85 in
4.21	Overall width - Single wheels	b1	2165 mm	85 in
4.22	Forks section / width / length	s / e / l	80 mm x 160 mm x 1520 mm	3 in x 6 in x 60 in
4.24	Fork carriage width	b3	2044 mm	80 in
4.31	Ground clearance below mast	m1	190 mm	7 in
4.32	Ground clearance at centre of wheelbase	m2	339 mm	13 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	5973 mm	235 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6134 mm	241 in
4.35	Turning radius	Wa	3940 mm	155 in
4.36	Internal turning radius (over tyres)	b13	1396 mm	55 in
	Performances			
5.1	Travel speed (laden / unladen)		26 km/h-31 km/h	16 mph-19 mph
5.2	Lifting speed (laden / unladen)		0.32 m/s-0.35 m/s	1 ft/s-1 ft/s
5.3	Lowering speed (laden / unladen)		0.45 m/s-0.36 m/s	1 ft/s-1 ft/s
5.5	Drawbar pull (Laden / Unladen)		8300 daN / 5400 daN	8300 daN / 5400 daN
5.7	Gradeability (laden / unladen)		44 % / 44 %	44 % / 44 %
5.10	Service brake		Hydraulic	Hydraulic
	Engine			
7.1	Engine brand / model		Cummins / QSB4,5	Cummins / QSB4,5
7.2	Engine power according to ISO 1585		82 kW	82 kW
7.3	Rated speed		2200 rpm	2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 4500 cm³	4 - 275 in³
	Miscellaneous			
8.2	Working hydraulic pressure for attachments		195 bar	2828 PSI
8.3	Oil flow rate for attachments		180 l/min	48 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 88 dB	< 88 dB
8.4	Sound level at the driver's ear according to DIN 12 053		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
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	6	6
h1 - Mast lowered height	in (mm)	112.2 (2850)	118.1 (3000)	124 (3150)	131.9 (3350)	143.7 (3650)	153.5 (3900)
h2 - Mast free lift	in (mm)	7.9 (200)	7.9 (200)	7.9 (200)	7.9 (200)	7.9 (200)	7.9 (200)
h3 - Mast lifting height	in (mm)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)	177.2 (4500)	196.9 (5000)
h4 - Mast extended height	in (mm)	179.3 (4555)	191.1 (4855)	203 (5155)	218.7 (5555)	238.4 (6055)	258.1 (6555)
Residual capacity at max height	lb (kg)	22046 (10000)	22046 (10000)	22046 (10000)	22046 (10000)	22046 (10000)	22046 (10000)
Height at max capacity	in (mm)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)	177.2 (4500)	196.9 (5000)

Free Lift Triplex (FLT)		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	°	6	6	6	3	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6
h1 - Mast lowered height	in (mm)	112.2 (2850)	112.2 (2850)	120.1 (3050)	126 (3200)	131.9 (3350)
h2 - Mast free lift	in (mm)	51.4 (1305)	55.3 (1405)	59.3 (1505)	65.2 (1655)	71.1 (1805)
h3 - Mast lifting height	in (mm)	177.2 (4500)	189 (4800)	196.9 (5000)	216.5 (5500)	236.2 (6000)
h4 - Mast extended height	in (mm)	238.4 (6055)	250.2 (6355)	258.1 (6555)	277.8 (7055)	297.4 (7555)
Residual capacity at max height	lb (kg)	18739 (8500)	18739 (8500)	18078 (8200)	16976 (7700)	15432 (7000)
Height at max capacity	in (mm)	177.2 (4500)	189 (4800)	196.9 (5000)	216.5 (5500)	236.2 (6000)

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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



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