Technical sheet :

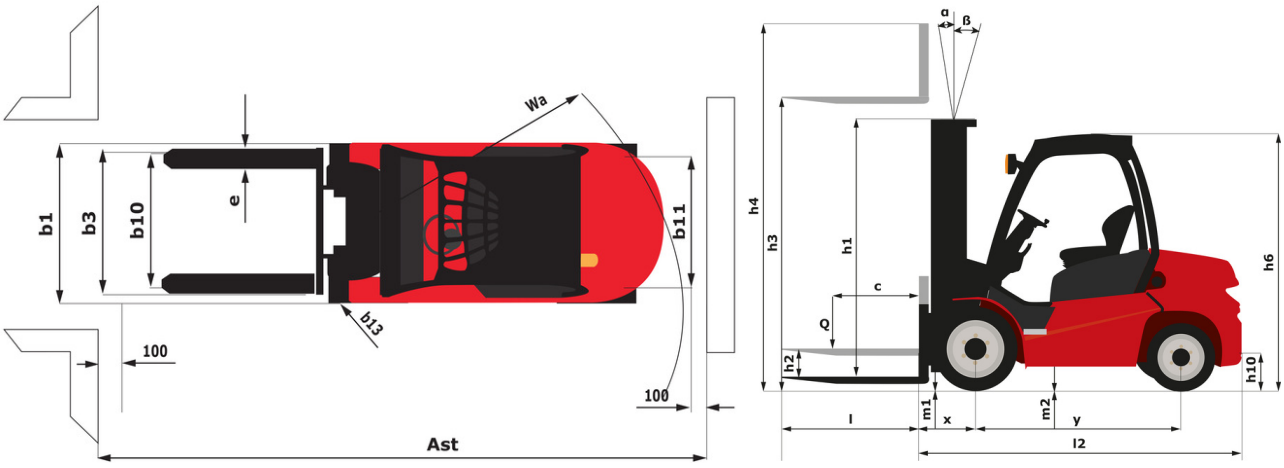
MI-X 80 D



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MI-X 80 D	MI-X 80 D
1.3	Power source		Diesel	Diesel
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	8000 kg	17637 lb
1.6	Load center of gravity	c	600 mm	24 in
1.8	Load distance, centre of drive axle to fork	x	705 mm	28 in
1.9	Wheelbase	y	2500 mm	98 in
	Weight			
2.1	Service weight		11790 kg	25993 lb
2.2	Weight on front axle (laden) / rear axle (laden)		17670 kg / 2120 kg	38956 lb / 4674 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	5395 mm	212 in
4.20	Length to face of forks	l2	3895 mm	153 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	75 mm x 160 mm x 1520 mm	3 in x 6 in x 60 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A	4A
4.31	Ground clearance below mast	m1	185 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	5637 mm	222 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5803 mm	228 in
4.36	Internal turning radius (over tyres)	b13	1327 mm	52 in
	Performances			
5.1	Travel speed (laden / unladen)		28 km/h-32 km/h	17 mph-20 mph
5.2	Lifting speed (laden / unladen)		0.43 m/s-0.46 m/s	1 ft/s-2 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)		7860 daN / 4500 daN	7860 daN / 4500 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			
8.3	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 80 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)	106.3 (2700)	112.2 (2850)	118.1 (3000)	126 (3200)	137.8 (3500)	147.6 (3750)
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)	165.7 (4210)	177.6 (4510)	189.4 (4810)	205.1 (5210)	224.8 (5710)	244.5 (6210)
Residual capacity at max height	lb (kg)	17637 (8000)	17637 (8000)	17637 (8000)	17637 (8000)	17637 (8000)	17637 (8000)
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)	108.3 (2750)	112.2 (2850)	116.1 (2950)	122 (3100)	128 (3250)
h2 - Mast free lift	in (mm)	58.5 (1485)	62.4 (1585)	63 (1600)	70.9 (1800)	78.1 (1985)
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)	227.4 (5775)	239.2 (6075)	250.4 (6360)	268.1 (6810)	286.4 (7275)
Residual capacity at max height	lb (kg)	15432 (7000)	15432 (7000)	14330 (6500)	13448 (6100)	12346 (5600)
Height at max capacity	in (mm)	177.2 (4500)	189 (4800)	196.9 (5000)	216.5 (5500)	236.2 (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