Technical sheet :



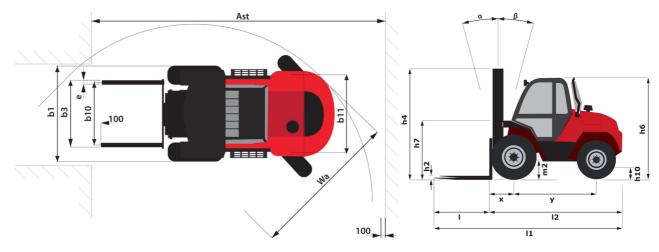




Technical characteristics 1.1 Manufacturer 1.2 Model Name 1.3 Power source	Q
1.2 Model Name 1.3 Power source	
1.3 Power source	
1.4 Operator type	
1.5 Max. capacity	С
1.6 Load center of gravity	
1.8 Load distance, centre of drive axle to fork	х
1.9 Wheelbase	у
Weight	
2.1 Service weight	
2.2 Weight on front axle (laden) / rear axle (laden)	
2.3 Weight on front axle (Unladen) / rear axle (Unladen)	
Wheels	
3.1 Tires type	
3.3 Dimensions of rear wheels	
3.5 Number of front wheels / rear wheels	
3.5.2 Number of drive wheels	
3.6 Front wheel gauge	b10
Dimensions	
4.7 Height of overhead guard (cabin)	h6
4.19 Overall length	11
4.20 Length to face of forks	12
4.21 Overall width	b1
4.22 Forks section x width x length	s / e /
4.23 Fork carriage ISO 2328 (class/form) A/B	
4.24 Fork carriage width	b3
4.31 Ground clearance below mast	m1
4.32 Ground clearance at centre of wheelbase	m2
4.35 Tuming radius	Wa
Performances	
5.1 Travel speed (laden / unladen)	
5.2 Lifting speed (laden / unladen)	
5.3 Lowering speed (laden / unladen)	
5.5 Drawbar pull (Laden / Unladen)	
5.10 Service brake	
Transmission type	
Engine	
7.1 Engine brand / model / norm	
7.2 I.C. Engine power rating	
7.3 Rated speed	
Miscellaneous	
8.1 Type of drive control	

I-X 50-4	Created on August 20, 2025 at 10:00 AM UTC								
	Metric								
	Manitou								
	M-X 50-4								
	Diesel								
	Seated								
Q	5000 kg								
С	600 mm								
x	762 mm								
у	2120 mm								
	7660 kg								
	10800 kg / 1869 kg								
	2570 kg / 5090 kg								
	Pneumatic								
	340/80R18 XMCL 143A8								
	2 / 2								
	4								
b10	1620 mm								
h6	2495 mm								
11	4945 mm								
12	3745 mm								
b1	2080 mm								
s / e / l	50 mm x 150 mm / 1200 mm								
_	4A								
b3	1670 mm								
m1	265 mm								
m2	375 mm								
Wa	4155 mm								
	24 km/h / 23.40 km/h								
	0.40 m/s / 0.50 m/s								
	0.40 m/s / 0.40 m/s								
	10360 daN / 6205 daN								
	Hydraulic								
	Torque converter								
	Derking (1104D 44T NI 20004 (Store IIIA								
	Perkins / 1104D-44T NL38894 / Stage IIIA								
	70 Hp								
	2360 rpm								
	Hydraulic								
	nyuldulic								

M-X 50-4 - 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	۰	15	15	15	15	15	15	15
β - Mast/fork carriage tilt, backward	٥	15	15	15	15	15	15	15
h1 - Mast lowered height	mm	2520	2670	2770	2870	3020	3270	3520
h4 - Mast extended height	mm	4070	4370	4570	4770	5070	5570	6070
Residual capacity at max height	kg	5000	5000	5000	5000	5000	4500	4000
Residual capacity with integrated side shift at max heigth	kg	4700	4700	4700	4700	4700	4050	3600
Height at max capacity	mm	2500	2500	2500	2500	2500	2500	2500

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	۰	15	15	15	15	15	10	10	10
β - Mast/fork carriage tilt, backward	٥	15	15	15	15	15	15	15	15
h1 - Mast lowered height	mm	2270	2370	2470	2545	2605	2720	2870	3045
h2 - Mast free lift	mm	1265	1365	1465	1540	1600	1715	1865	2040
h4 - Mast extended height	mm	4770	5070	5370	5570	5770	6070	6570	7070
Residual capacity at max height	kg	5000	5000	4500	4000	3700	3300	2400	2000
Residual capacity with integrated side shift at max heigth	kg	4700	4500	4050	3600	3330	2970	2160	1800
Height at max capacity	mm	2500	2500	2500	2500	2500	2500	2500	2500



HANDLING YOUR WORLD 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