Technical sheet :



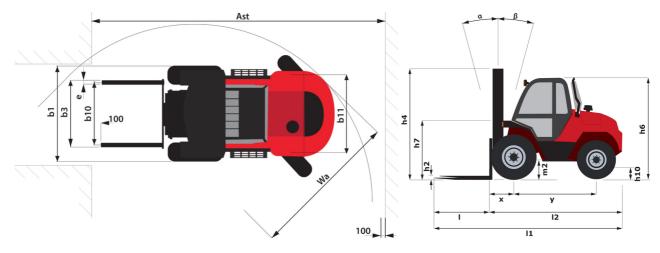




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight 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	b1
	Dimensions	
4.7	Height of overhead guard (cabin)	h
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	p.
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	b
4.31	Ground clearance below mast	m
4.32	Ground clearance at centre of wheelbase	m
4.35	Tuming radius	W
	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 17, 2025 at 12.50 PM 010
	Metric
	Manitou
	M-X 50-4
	Diesel
	Seated
Q	5000 kg
C	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
	Perkins / 1104D-44T NL38894 / Stage IIIA
	70 Hp
	2360 rpm
	Hydraulic

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
a - 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



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