Technical sheet:

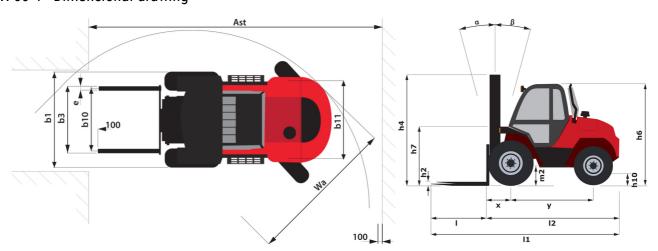
## M-X 50-4





			Created on August 1, 2025 at 6:03 PM (
	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		M-X 50-4
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	5000 kg
1.6	Load center of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	X	762 mm
1.9	Wheelbase	У	2120 mm
	Weight		
2.1	Service weight		7660 kg
2.2	Weight on front axle (laden) / rear axle (laden)		10800 kg / 1869 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2570 kg / 5090 kg
	Wheels		
3.1	Tires type		Pneumatic
3.3	Dimensions of rear wheels		340/80R18 XMCL 143A8
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	1620 mm
	Dimensions		1020 11111
4.7	Height of overhead guard (cabin)	h6	2495 mm
4.19	Overall length	l1	4945 mm
4.20	Length to face of forks	12	3745 mm
4.21	Overall width	b1	2080 mm
4.22	Forks section x width x length	s / e / l	50 mm x 150 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B	0, 0, 1	4A
4.24	Fork carriage width	b3	1670 mm
4.31	Ground clearance below mast	m1	265 mm
4.32	Ground clearance at centre of wheelbase	m2	375 mm
4.35	Turning radius	Wa	4155 mm
	Performances		1100 11111
5.1	Travel speed (laden / unladen)		24 km/h / 23.40 km/h
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.50 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.5	Drawbar pull (Laden / Unladen)		10360 daN / 6205 daN
5.10	Service brake		Hydraulic
0.10	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model / norm		Perkins / 1104D-44T NL38894 / Stage IIIA
7.1	I.C. Engine power rating		70 Hp
7.2	Rated speed		2360 rpm
7.0	Miscellaneous		2000 ipili
	Type of drive control		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		15	15	15	15	15	15	15
β - Mast/fork carriage tilt, backward	۰	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 °		15	15	15	15	15	10	10	10
β - Mast/fork carriage tilt, backward	٠	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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