Technical sheet:

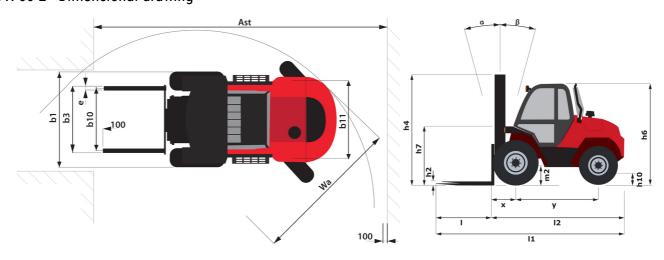
M-X 50-2





		M-X 50-2 Creat	ed on April 19, 2024 at 4:20:44 PM 010
	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		M-X 50-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	11023 lb
1.6	Load center of gravity	С	24 in
1.8	Load distance, centre of drive axle to fork	Х	30 in
1.9	Wheelbase	у	83 in
	Weight		
2.1	Service weight		16491 lb
2.2	Weight on front axle (laden) / rear axle (laden)		24019 lb / 4255 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		5831 lb / 11420 lb
	Wheels		
3.1	Tires type		Pneumatic
3.3	Dimensions of rear wheels		10R17,5 134/132M G291
3.5	Number of front wheels / rear wheels		2/2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	64 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	95 in
4.19	Overall length	I1	195 in
4.20	Length to face of forks	12	148 in
4.21	Overall width	b1	81 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	66 in
4.31	Ground clearance below mast	m1	10 in
4.32	Ground clearance at centre of wheelbase	m2	14 in
4.35	Turning radius	Wa	134 in
	Performances		
5.1	Travel speed (laden)		14 mph
5.2	Lifting speed (laden / unladen)		1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s / 1 ft/s
5.5	Drawbar pull (Laden / Unladen)		5685 daN / 3665 daN
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		Perkins / 1104D-44T NL38894
7.3	Rated speed		2360 rpm
	Miscellaneous		
8.1	Type of drive control		Hydraulic

M-X 50-2 - 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
Mast/fork carriage tilt, forward		15	15	15	15	15	15	15
Mast/fork carriage tilt, backward	۰	15	15	15	15	15	15	15
h1 - Mast lowered height	in	97.4	103.3	107.3	111.2	117.1	127	136.8
h4 - Mast extended height	in	158.5	170.3	178.1	186	197.8	217.5	237.2
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward °		15	15	15	15	15	10	10	10
Mast/fork carriage tilt, backward	۰	15	15	15	15	15	15	15	15
h1 - Mast lowered height	in	87.6	91.5	95.5	98.4	100.8	105.3	111.2	118.1
h2 - Mast free lift	in	49.8	53.7	57.7	60.6	63	67.5	73.4	80.3
h4 - Mast extended height	in	186	197.8	209.6	217.5	225.4	237.2	256.9	276.6
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4





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