

Technical sheet :

# **M-X 50-2**

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Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		M-X 50-2	M-X 50-2
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	5000 kg	11023 lbs
1.6	Load centre of gravity	c	600 mm	23.622 in
1.8	Load distance, centre of drive axle to fork	x	772 mm	30.394 in
1.9	Wheelbase	y	2120 mm	83.465 in
Weight				
2.1	Service Weight		7825 kg	17251 lbs
2.2	Weight on front axle (laden) / rear axle (laden)		10895 kg / 1930 kg	24019 lbs / 4255 lbs
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2645 kg / 5180 kg	5831 lbs / 11420 lbs
Wheels				
3.1	Tyres type		Pneumatic	Pneumatic
3.3	Dimensions of rear wheels		10R17,5 134/132M G291	10R17,5 134/132M G291
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	1620 mm	63.78 in
Dimensions				
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	6 / 12	6 / 12
4.7	Height of overhead guard (cabin)	h6	2420 mm	95.276 in
4.19	Overall length	l1	4955 mm	195.079 in
4.20	Length to face of forks	l2	3755 mm	147.835 in
4.21	Overall width	b1	2060 mm	81.102 in
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM4	FEM4
4.24	Fork carriage width	b3	1670 mm	65.748 in
4.31	Ground clearance below mast	m1	265 mm	10.433 in
4.32	Ground clearance at centre of wheelbase	m2	365 mm	14.37 in
4.35	Turning radius	Wa	3395 mm	133.661 in
4.36	Internal turning radius (over tyres)	b13	200 mm	7.874 in
Performances				
5.1	Travel speed (laden)		22.8 km/h	14.2 mph
5.2	Lifting speed (laden / unladen)		0.4 m/s / 0.4 m/s	1.31 ft/s / 1.31 ft/s
5.3	Lowering speed (laden / unladen)		0.5 m/s / 0.4 m/s	1.64 ft/s / 1.31 ft/s
5.5	Drawbar pull (Laden / Unladen)		5685 daN / 3665 daN	5685 daN / 3665 daN
5.9	Service brake		Hydraulic	Hydraulic
Engine				
7.1	Engine brand / model		Perkins / 1104D-44T NL38894	Perkins / 1104D-44T NL38894
7.3	Rated speed		2360 tr/min	2360 tr/min
Miscellaneous				
8.1	Type of drive control		Hydraulic	Hydraulic





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