

Technical sheet :

# MC-X 18-4

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Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC-X 18-4
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	1800 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	616 mm
1.9	Wheelbase	y	1900 mm
Weight			
2.1	Service weight		3562 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4237 kg / 1125 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1662 kg / 1900 kg
Wheels			
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		12,5/80-18/12 SL R4
3.3	Dimensions of rear wheels		27x10-12 SKS
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	1159 mm
3.7	Rear wheel gauge	b11	1176 mm
Dimensions			
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2155 mm / 1990 mm
4.8	Seat height/stand height	h7	1094 mm
4.19	Overall length	l1	4100 mm
4.20	Length to face of forks	l2	2950 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section x width x length	s / e / l	35 mm x 100 mm / 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1260 mm
4.31	Ground clearance below mast	m1	300 mm
4.32	Ground clearance at centre of wheelbase	m2	310 mm
4.35	Turning radius	Wa	3370 mm
Performances			
5.1	Travel speed (laden / unladen)		12 km/h / 24.90 km/h
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.5	Drawbar pull (Laden / Unladen)		1985 daN / 1950 daN
5.7	Gradeability (laden / unladen)		37 % / 65 %
5.10	Service brake		Hydraulic brakes by loss of pressure
Engine			
7.2	I.C. Engine power rating		27 kW
7.1	Engine brand / model		Kubota / V1505
7.3	Rated speed		3000 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 1498 cm³
Miscellaneous			
8.1	Type of drive control		Cable
8.2	Working hydraulic pressure for attachments		180 bar
8.3	Oil flow rate for attachments		37 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		79 dB

MC-X 18-4 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40	FVD 45
$\alpha$ - Mast/fork carriage tilt, forward	°	10	10	10	10
$\beta$ - Mast/fork carriage tilt, backward	°	12	12	12	12
h1 - Mast lowered height	mm	2348	2608	2798	3048
h2 - Mast free lift	mm	85	85	85	85
h3 - Mast lifting height	mm	3300	3700	4000	4500
h4 - Mast extended height	mm	4018	4428	4768	5268
Residual capacity at max height	kg	1800			
Height at max capacity	mm	3300	2500	2500	2500

Free Lift Triplex (FLT)		FLT 37	FLT 43	FLT 47	FLT 55
$\alpha$ - Mast/fork carriage tilt, forward	°	10	10	10	6
$\beta$ - Mast/fork carriage tilt, backward	°	12	12	12	6
h1 - Mast lowered height	mm	1998	2198	2348	2608
h2 - Mast free lift	mm	1305	1505	1655	1915
h3 - Mast lifting height	mm	3700	4300	4700	5500
h4 - Mast extended height	mm	4453	2198	5453	6253
Height at max capacity	mm	2500	2500	2500	2500

Full Visibility Triplex (FVT)		FVT 33
$\alpha$ - Mast/fork carriage tilt, forward	°	10
$\beta$ - Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	mm	1888
h2 - Mast free lift	mm	135
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4048
Height at max capacity	mm	2500



**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](http://www.manitou.com)



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