

Technical sheet :

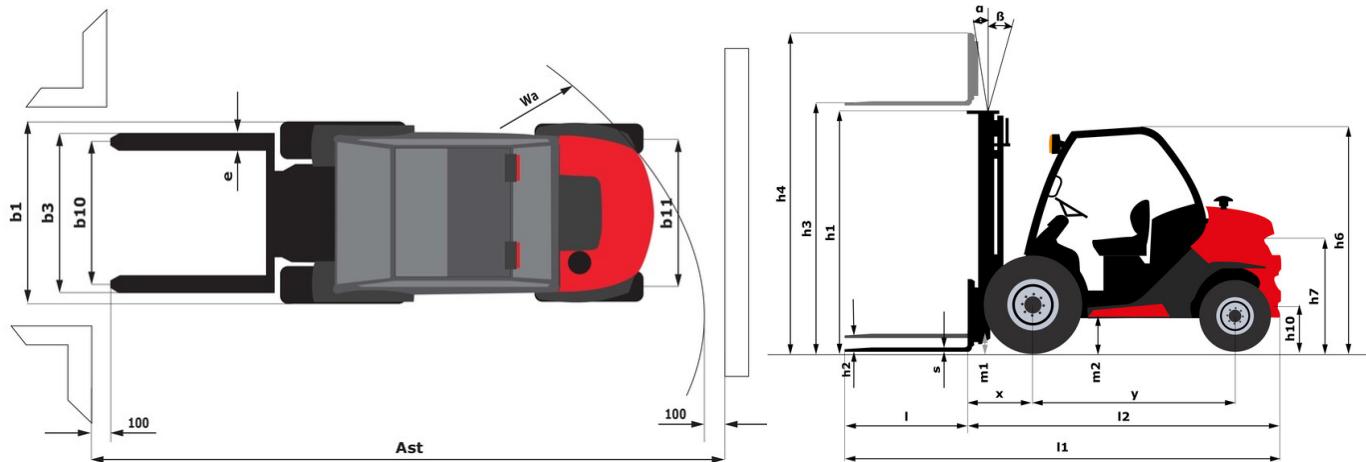
# MC-X 30-2



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Technical characteristics		Metric	
1.1	Manufacturer		Manitou
1.2	Model Name		MC-X 30-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	626 mm
1.9	Wheelbase	y	1900 mm
Weight			
2.1	Service weight		4355 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6435 kg / 920 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1660 kg / 2695 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		7,00-12/12 ED PLUS
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
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 (Buggy version)	h6 / h6*	2155 mm / 1990 mm
4.8	Seat height/stand height	h7	1094 mm
4.19	Overall length	l1	4265 mm
4.20	Length to face of forks	l2	3085 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section x width x length	s / e / l	45 mm x 122 mm / 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
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	2650 mm
Performances			
5.1	Travel speed (laden / unladen)		12 km/h / 24.90 km/h
5.2	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden / Unladen)		1810 daN / 1150 daN
5.7	Gradeability (laden / unladen)		23 % / 26 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
Engine			
7.1	Engine brand / model / norm		Kubota / V2403 / Stage IIIA
7.2	Engine power (Hp / kW)		49 Hp/36 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2434 cm <sup>3</sup>
Miscellaneous			
8.1	Type of drive control		Cable
8.2	Working hydraulic pressure for attachments		180 bar
8.3	Oil flow rate for attachments		53 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		82 dB

## MC-X 30-2 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	° 10
β - Mast/fork carriage tilt, backward	° 12
h1 - Mast lowered height	mm 3038
h2 - Mast free lift	mm 117
h3 - Mast lifting height	mm 4500
h4 - Mast extended height	mm 5290
Height at max capacity	mm 2500

FVD 45	
α - Mast/fork carriage tilt, forward	° 10
β - Mast/fork carriage tilt, backward	° 12
h1 - Mast lowered height	mm 3038
h2 - Mast free lift	mm 117
h3 - Mast lifting height	mm 4500
h4 - Mast extended height	mm 5290
Height at max capacity	mm 2500

Free Lift Triplex (FLT)	
α - Mast/fork carriage tilt, forward	° 10
β - Mast/fork carriage tilt, backward	° 12
h1 - Mast lowered height	mm 1988
h2 - Mast free lift	mm 1235
h3 - Mast lifting height	mm 3400
h4 - Mast extended height	mm 4236
Residual capacity at max height	kg 1580
Height at max capacity	mm 2500

FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	° 10	° 10	° 10	° 10	° 6
β - Mast/fork carriage tilt, backward	° 12	° 12	° 12	° 12	° 6
h1 - Mast lowered height	mm 1988	mm 1988	mm 2188	mm 2338	mm 2438
h2 - Mast free lift	mm 1235	mm 1335	mm 1435	mm 1585	mm 1685
h3 - Mast lifting height	mm 3400	mm 3700	mm 4000	mm 4300	mm 4700
h4 - Mast extended height	mm 4236	mm 4536	mm 4836	mm 5136	mm 5536
Residual capacity at max height	kg 1580				
Height at max capacity	mm 2500				

Full Visibility Triplex (FVT)	
α - Mast/fork carriage tilt, forward	° 10
β - Mast/fork carriage tilt, backward	° 12
h1 - Mast lowered height	mm 2338
h2 - Mast free lift	mm 117
h3 - Mast lifting height	mm 3300
h4 - Mast extended height	mm 4090
Height at max capacity	mm 2500

FVD 33	FVD 37	FVT 33
α - Mast/fork carriage tilt, forward	° 10	° 10
β - Mast/fork carriage tilt, backward	° 12	° 12
h1 - Mast lowered height	mm 2338	mm 2598
h2 - Mast free lift	mm 117	mm 117
h3 - Mast lifting height	mm 3300	mm 3700
h4 - Mast extended height	mm 4090	mm 4490
Height at max capacity	mm 2500	mm 2500



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