Technical sheet :

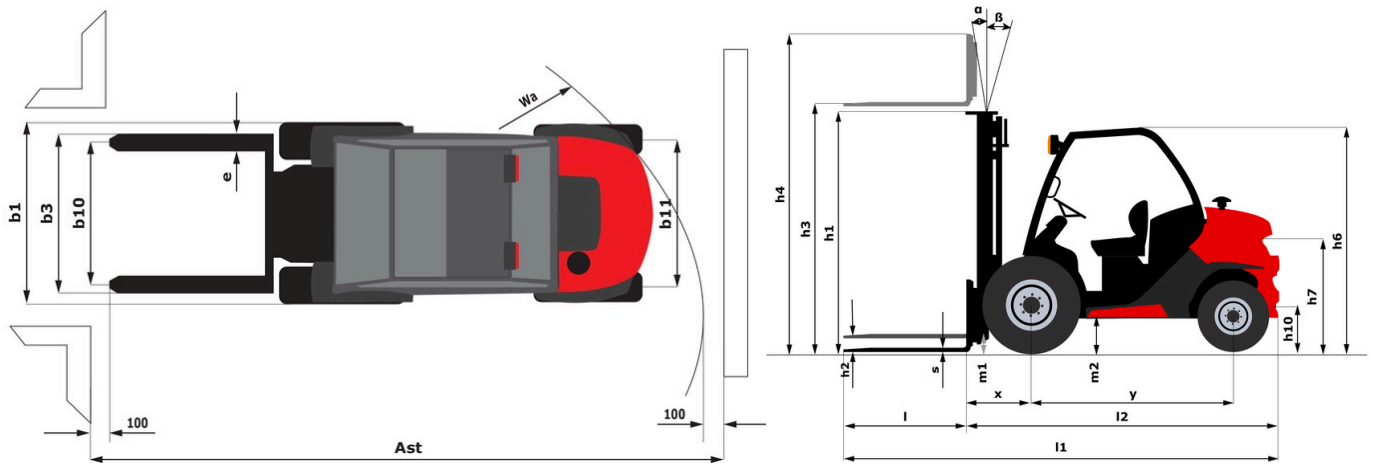
MC 30-2



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 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	630 mm
1.9	Wheelbase	y	2000 mm
	Weight		
	Standard mast reference of the machine		FVD 33
2.1	Service weight		4204 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6267 kg / 937 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1582 kg / 2622 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	1112 mm
	Dimensions		
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6	2166 mm / 2018 mm
4.8	Seat height/stand height	h7	1120 mm
4.19	Overall length	l1	4401 mm
4.20	Length to face of forks	l2	3201 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section x width x length	s / e / l	45 mm x 100 mm / 1200 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	305 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	4575 mm
4.35	Turning radius	Wa	2752 mm
	Performances		
5.1	Travel speed (laden / unladen)		10 km/h / 24 km/h
5.2	Lifting speed (laden / unladen)		0.39 m/s / 0.39 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden)		1700 daN
5.7	Gradeability (laden)		25 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
	Engine		
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5 / Stage V
7.2	Engine power (Hp / kW)		50 Hp/37 kW
7.3	Rated speed		2800 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm³
7.5	Fuel consumption according to VDI cycle		4.30 l/h
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		220 bar
8.3	Oil flow rate for attachments		38 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		80 dB

MC 30-2 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	°	12	12	12	12	12
β - Mast/fork carriage tilt, backward	°	10	10	10	10	10
h1 - Mast lowered height	mm	2188	2338	2598	2788	3038
h2 - Mast free lift	mm	117	117	117	117	117
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	3790	4090	4490	4790	5290
Residual capacity at max height	kg	3000	3000	2300	1700	1000
Residual capacity with hooked-on side shift at max heigth	kg	2780	2780	2390	1740	910
Height at max capacity	mm	3000	3300	3400	3400	3200
Height at max capacity with hooked-on sideshift	mm	3000	3300	3400	3400	3200

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55
α - Mast/fork carriage tilt, forward	°	12	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	°	10	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2598	2788
h2 - Mast free lift	mm	1235	1335	1435	1585	1685	1845	2035
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5000	5500
h4 - Mast extended height	mm	4236	4536	4836	5136	5536	5836	6336
Residual capacity at max height	kg	3000	2300	1700	1270	800	500	200
Residual capacity with hooked-on side shift at max heigth	kg	2780	2400	1750	1220	670	370	
Height at max capacity	mm	3300	3280	3200	3100	3100	3000	3000
Height at max capacity with hooked-on sideshift	mm	3300	3280	3200	3100	3100	3000	3000

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	°	12
β - Mast/fork carriage tilt, backward	°	10
h1 - Mast lowered height	mm	1878
h2 - Mast free lift	mm	129
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4079
Residual capacity at max height	kg	3000
Residual capacity with hooked-on side shift at max heigth	kg	2780
Height at max capacity	mm	3300
Height at max capacity with hooked-on sideshift	mm	3300

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