Technical sheet:

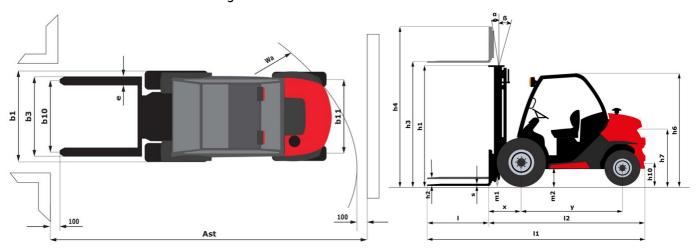
MC 30-2 ST5





1.1	Technical characteristics		Metric
	Manufacturer		Manitou
1.2	Model Name		MC 30-2 ST5
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	х	626 mm
1.9	Wheelbase	y	1900 mm
	Weight		
	Standard mast reference of the machine		FVD 33
2.1	Service weight		4220 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6570 kg / 650 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1570 kg / 2650 kg
2.0	Wheels		1070 kg / 2000 kg
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
3.7	Dimensions	811	1170 111111
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	1034 mm
4.19	Overall length	 I1	4265 mm
4.20	Length to face of forks	12	3085 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	37671	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	320 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	4626 mm
4.35	Tuming radius	Wa	2650 mm
4.33	Performances	wa	2030 111111
5.1	Travel speed (laden / unladen)		12 km/h / 24.50 km/h
5.2	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.47 m/s / 0.40 m/s 0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden / Unladen)		1700 daN / 910 daN
5.7	Gradeability (laden / unladen)		24 % / 22 %
5.10	Service brake		Hydraulic brakes by loss of pressure
3.10	Transmission type		Hydrostatic
	Engine		Hydiostatic
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5B / Stage V
7.1	I.C. Engine power rating		37 kW
7.2	Rated speed		2700 rpm
7.3	Number of cylinders / Capacity of cylinders		3 - 1826 cm³
7.4	Miscellaneous		ə - 1620 CIII*
	Type of drive control		Electronic
0 1	Type of unive control		Electronic
8.1			220
8.1 8.2 8.3	Working hydraulic pressure for attachments Oil flow rate for attachments		220 bar 42 l/min

MC 30-2 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	۰
β - Mast/fork carriage tilt, backward	۰
h1 - Mast lowered height	mm
h2 - Mast free lift	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with hooked-on side shift at max heigth	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

FVD 33	FVD 37	FVD 45
12	12	12
10	10	10
2338	2598	3038
117	117	117
3300	3700	4500
4090	4490	5290
1400	1400	500
1400	1400	500
2700	2700	2800
2700	2700	2800

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	۰	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	٠	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2788
h2 - Mast free lift	mm	1235	1335	1435	1585	1685	2035
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4236	4536	4836	5136	5536	6336
Residual capacity at max height	kg	1900	1500	1300	1400	430	500
Residual capacity with hooked-on side shift at max heigth	kg	1800	1400	1250		400	400
Height at max capacity	mm	2700	2600	2700	3100	2700	2500
Height at max capacity with hooked-on sideshift	mm	2700	2600	2700		2700	2500

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	٠	12
β - Mast/fork carriage tilt, backward	٠	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
Height at max capacity	mm	2500





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