

Technical sheet :

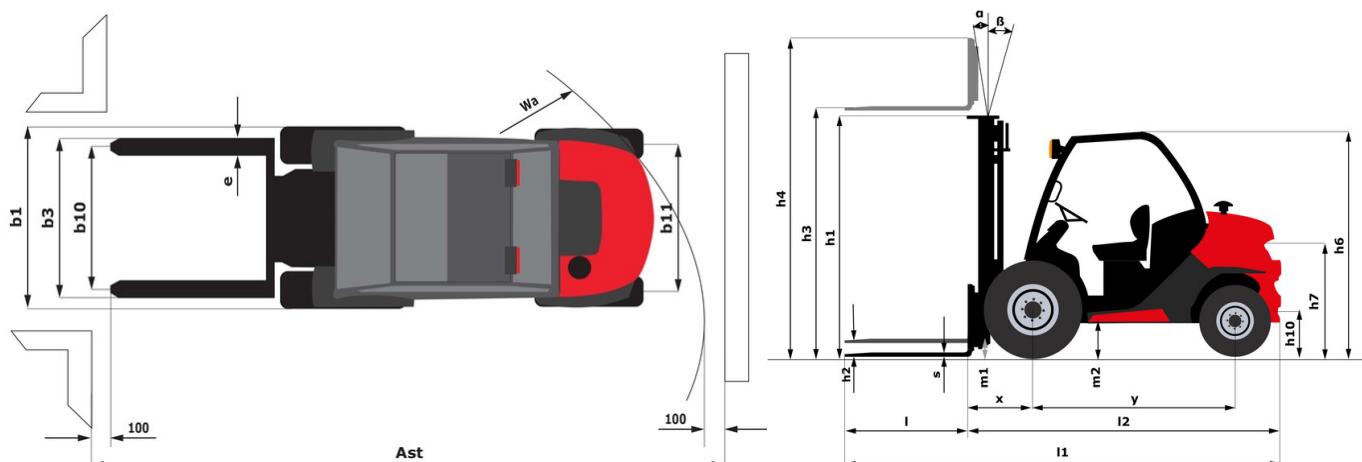
# MC 30-2 ST5



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	MC 30-2 ST5	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	3000 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	626 mm	
1.9	Wheelbase	1900 mm	
<b>Weight</b>		<b>FVD 33</b>	
2.1	Standard mast reference of the machine	4220 kg	
2.2	Service weight	6570 kg / 650 kg	
2.3	Weight on front axle (laden) / rear axle (laden)	1570 kg / 2650 kg	
<b>Wheels</b>		<b>Pneumatic</b>	
3.1	Tires type	12,5/80-18/12 SL R4	
3.2	Dimensions of front wheels	7,00-12/12 ED PLUS	
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	2	
3.6	Front wheel gauge	1159 mm	
3.7	Rear wheel gauge	1176 mm	
<b>Dimensions</b>		<b>2155 mm / 1990 mm</b>	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggy version)	h6 / h6*	
4.8	Seat height/stand height	h7	
4.19	Overall length	l1	
4.20	Length to face of forks	l2	
4.21	Overall width	b1	
4.22	Forks section x width x length	s / e / l	
4.23	Fork carriage ISO 2328 (class/form) A/B	b3	
4.24	Fork carriage width	m1	
4.31	Ground clearance below mast	m2	
4.32	Ground clearance at centre of wheelbase	Ast	
4.33	Aisle width for 1000 x 1200 pallet widthways	Wa	
4.35	Turning radius		
<b>Performances</b>		<b>12 km/h / 24.50 km/h</b>	
5.1	Travel speed (laden / unladen)	0.47 m/s / 0.46 m/s	
5.2	Lifting speed (laden / unladen)	0.50 m/s / 0.30 m/s	
5.3	Lowering speed (laden / unladen)	1700 daN / 910 daN	
5.5	Drawbar pull (Laden / Unladen)	24 % / 22 %	
5.7	Gradeability (laden / unladen)	Hydraulic brakes by loss of pressure	
5.10	Service brake	Hydrostatic	
<b>Engine</b>		<b>Kubota / D1803 CRT E5B / Stage V</b>	
7.1	Engine brand / model / norm	50 Hp/37 kW	
7.2	Engine power (Hp / kW)	2700 rpm	
7.3	Rated speed	3 - 1826 cm <sup>3</sup>	
7.4	Number of cylinders / Capacity of cylinders		
<b>Miscellaneous</b>		<b>Electronic</b>	
8.1	Type of drive control	220 bar	
8.2	Working hydraulic pressure for attachments	42 l/min	
8.3	Oil flow rate for attachments		
8.4	Sound level at the driver's ear according to DIN 12 053	79 dB	

## MC 30-2 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
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 height	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)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
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 height	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
12	12	12	12	12	6
10	10	10	10	10	6
1988	2088	2188	2338	2438	2788
1235	1335	1435	1585	1685	2035
3400	3700	4000	4300	4700	5500
4236	4536	4836	5136	5536	6336
1900	1500	1300	1400	430	500
1800	1400	1250		400	400
2700	2600	2700	3100	2700	2500
2700	2600	2700		2700	2500

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

FVT 33
12
10
1878
129
3300
4079
2500

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