Technical sheet :

## MC 30-2 ST5

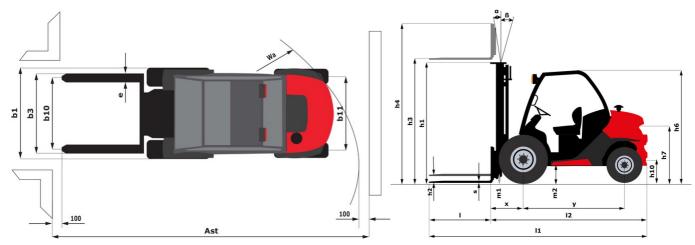




		MC 30-2313
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	X
1.9	Wheelbase	у
	Weight	, ,
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
2.5	Wheels	
3.1	Tires type	
3.1	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.5.2		b10
3.0	Front wheel gauge	
3.7	Rear wheel gauge Dimensions	b11
47		
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6
4.8	Seat height/stand height	h7  1
4.19	Overall length Length to face of forks	12
4.20		
4.21	Overall width	b1
4.22	Forks section x width x length	s / e /
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	b3
4.31	Ground clearance below mast	m1
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast
4.35	Turning radius	Wa
5.4	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden / Unladen)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
	Transmission type	
	Engine	
7.1	Engine brand / model / norm	
7.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

ST5	Created on September 14, 2025 at 10.14 AM UTC
	Metric
	Manitou
	MC 30-2 ST5
	Diesel
	Seated
Q	3000 kg
c	500 mm
x	626 mm
y	1900 mm
,	
	FVD 33
	4220 kg
	6570 kg / 650 kg
	1570 kg / 2650 kg
	Pneumatic
	12,5/80-18/12 SL R4
	7,00-12/12 ED PLUS
	2/2
	2
b10	1159 mm
b11	1176 mm
h6 / h6*	2155 mm / 1990 mm
h7	1034 mm
11	4265 mm
12	3085 mm
	1450 mm
b1	
s / e / l	45 mm x 100 mm / 1200 mm
1.0	3A
b3	1260 mm
m1	300 mm
m2	320 mm
Ast	4626 mm
Wa	2650 mm
	12 km/h / 24.50 km/h
	0.47 m/s / 0.46 m/s
	0.47 m/s / 0.40 m/s
	1700 daN / 910 daN
	24 % / 22 %
	Hydraulic brakes by loss of pressure
	Hydrostatic
	Kubota / D1803 CRT E5B / Stage V
	37 kW
	2700 rpm
	3 - 1826 cm³
	Electronic
	220 bar
	42 l/min
	79 dB
	/9 UB

## MC 30-2 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 45
α - Mast/fork carriage tilt, forward	۰	12	12	12
β - Mast/fork carriage tilt, backward	۰	10	10	10
h1 - Mast lowered height	mm	2338	2598	3038
h2 - Mast free lift	mm	117	117	117
h3 - Mast lifting height	mm	3300	3700	4500
h4 - Mast extended height	mm	4090	4490	5290
Residual capacity at max height	kg	1400	1400	500
Residual capacity with hooked-on side shift at max heigth	kg	1400	1400	500
Height at max capacity	mm	2700	2700	2800
Height at max capacity with hooked-on sideshift	mm	2700	2700	2800

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
a - Mast/fork carriage tilt, forward	٥	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	٥	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	٥	12
$\beta$ - Mast/fork carriage tilt, backward	٥	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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