Technical sheet :

MC 30-2 ST5

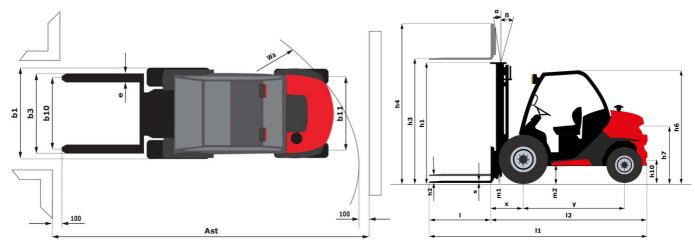




		MC 30-231
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	
1.9	Weight	у
	Standard mast reference of the machine	
2.1	Service weight	
2.1	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axie (Juladen) / rear axie (Juladen)	
2.5	Wheels	
3.1		
	Tires type Dimensions of front wheels	
3.2		
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
	Dimensions	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	12
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
	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	

2 5 7 5	Created on September 14, 2025 at 5:15 PM UTC					
	Metric					
	Manitou					
	MC 30-2 ST5					
	Diesel					
	Seated					
Q	3000 kg					
c	5000 kg					
x	626 mm					
	1900 mm					
у	1900 IIIII					
	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					
b1	1450 mm					
s / e / I	45 mm x 100 mm / 1200 mm					
	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					
	0.50 m/s / 0.30 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					

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
α - Mast/fork carriage tilt, forward	۰	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	۰	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
a - Mast/fork carriage tilt, forward	۰	12
β - Mast/fork carriage tilt, backward	۰	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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