Technical sheet:

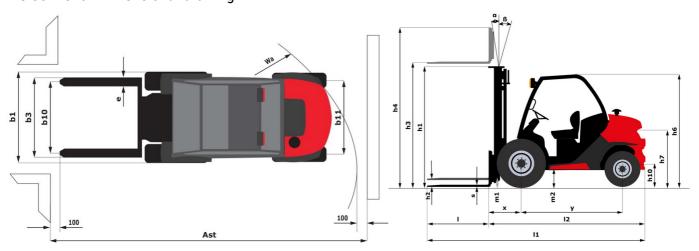
## MC 30-4 ST5





		MC 30-4 ST	MC 30-4 ST5 Created on 2 May 2024 at 17.56.33 UT		
	Technical characteristics		Metric		
1.1	Manufacturer		Manitou		
1.2	Model Name		MC 30-4 ST5		
1.3	Power source		Diesel		
1.4	Operator type		Seated		
1.5	Max. capacity	Q	3000 kg		
1.6	Load center of gravity	С	500 mm		
1.8	Load distance, centre of drive axle to fork	X	626 mm		
1.9	Wheelbase	у	1900 mm		
	Weight				
2.1	Service weight		4440 kg		
2.2	Weight on front axle (laden) / rear axle (laden)		6650 kg / 790 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		27x10-12 SKS		
3.5	Number of front wheels / rear wheels		2/2		
3.5.2	Number of drive wheels		4		
3.6	Front wheel gauge	b10	1159 mm		
3.7	Rear wheel gauge	b11	1176 mm		
	Dimensions				
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	1094 mm		
4.19	Overall length	l1	4235 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		3A		
4.31	Ground clearance below mast	m1	300 mm		
4.32	Ground clearance at centre of wheelbase	m2	310 mm		
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5461 mm		
4.35	Turning radius	Wa	3435 mm		
	Performances				
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)		0.50 m/s / 0.30 m/s		
5.5	Drawbar pull (Laden)		3100 daN		
5.7	Gradeability (laden)		46 %		
5.10	Service brake		Hydraulic brakes by loss of pressure		
	Engine		.,,		
7.2	Engine power according to ISO 1585		37 kW		
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5B / Stage V		
7.2	Engine power according to ISO 1585		37 kW		
7.3	Rated speed		2700 rpm		
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm³		
7.4	Miscellaneous		0 1020 0111		
8.1	Type of drive control		Electronic		
8.3	Oil flow rate for attachments		42 l/min		
8.4	Sound level at the driver's ear according to DIN 12 053		79 dB		
0.4	County force at the university and according to Diff 12 000		/ 7 UD		

## MC 30-4 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 45
Mast/fork carriage tilt, forward	۰	12	12	12
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
Mast/fork carriage tilt, forward	٠	12	12	12	12	12	6
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
Mast/fork carriage tilt, forward	۰	12
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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