Technical sheet:

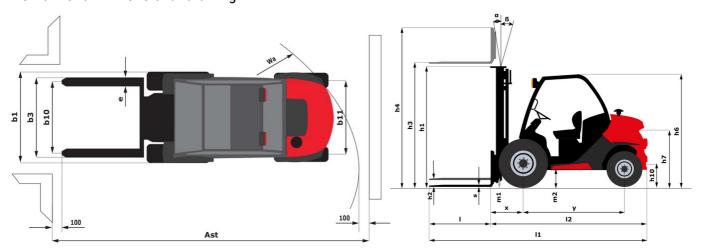
## MC 25-4 ST5





		MC 25-4 ST	MC 25-4 ST5 Created on 4 May 2024 at 14:43:44 UT			
	Technical characteristics		Metric			
1.1	Manufacturer		Manitou			
1.2	Model Name		MC 25-4 ST5			
1.3	Power source		Diesel			
1.4	Operator type		Seated			
1.5	Max. capacity	Q	2500 kg			
1.6	Load center of gravity	С	500 mm			
1.8	Load distance, centre of drive axle to fork	X	621 mm			
1.9	Wheelbase	У	1900 mm			
	Weight					
	Standard mast reference of the machine		FVD 33			
2.1	Service weight		4290 kg			
2.2	Weight on front axle (laden) / rear axle (laden)		5970 kg / 820 kg			
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1780 kg / 2510 kg			
	Wheels		3 <u>3</u>			
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			
3.7	Dimensions	DII	1170 111111			
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2155 mm / 1990 mm			
4.7		h7	1094 mm			
4.8	Seat height/stand height	117	4195 mm			
	Overall length					
4.20	Length to face of forks	12	3045 mm			
4.21	Overall width	b1	1450 mm			
4.22	Forks section x width x length	s / e / l	40 mm x 100 mm / 1200 mm			
4.23	Fork carriage ISO 2328 (class/form) A/B		2A			
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	310 mm			
4.35	Turning radius	Wa	3405 m			
	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)		51 %			
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			
	Miscellaneous					
8.1	Type of drive control		Electronic			
8.2	Working hydraulic pressure for attachments		200 bar			
8.3	Oil flow rate for attachments		42 l/min			
			= 4			

## MC 25-4 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 45
Mast/fork carriage tilt, forward	٠	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	112	112	112
h3 - Mast lifting height	mm	3300	3700	4500
h4 - Mast extended height	mm	4090	4490	5290
Residual capacity at max height	kg	2500	1450	800
Residual capacity with hooked-on side shift at max heigth	kg	2500	1450	800
Height at max capacity	mm	3000	3000	3000
Height at max capacity with hooked-on sideshift	mm	3000	3000	3000

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
Mast/fork carriage tilt, forward °		12	12	12	12	12	6
Mast/fork carriage tilt, backward		10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2788
h2 - Mast free lift	mm	1210	1310	1410	1510	1660	1920
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4236	4536	4836	5168	5536	6408
Residual capacity at max height	kg	1900	1500	1350	800	700	500
Residual capacity with hooked-on side shift at max heigth	kg	1800	1450	1350	700	700	5000
Height at max capacity	mm	3000	2900	3000	3000	3000	3000
Height at max capacity with hooked-on sideshift	mm	3000	3000	3000	3000	3000	3000

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	124
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4079
Height at max capacity	mm	2500





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