

Technical sheet :

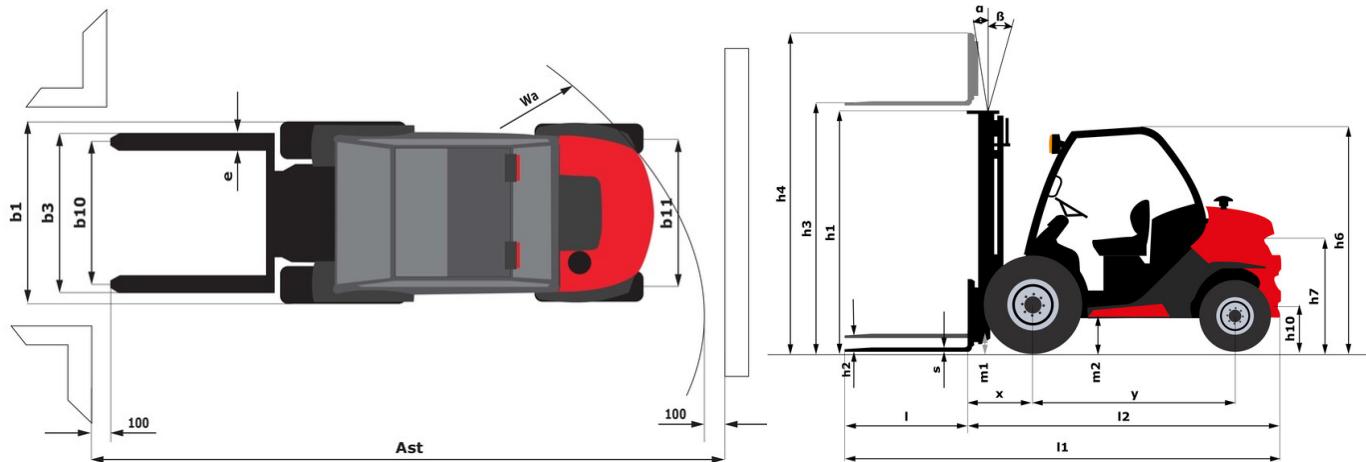
# MC 25-4 ST5



 **MANITOU**  
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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	2500 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	621 mm	
1.9	Wheelbase	1900 mm	
Weight		FVD 33	
2.1	Standard mast reference of the machine	4290 kg	
2.2	Service weight	5970 kg / 820 kg	
2.3	Weight on front axle (laden) / rear axle (laden)	1780 kg / 2510 kg	
Wheels		Pneumatic	
3.1	Tires type	12,5/80-18/12 SL R4	
3.2	Dimensions of front wheels	27x10-12 SKS	
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	4	
3.6	Front wheel gauge	1159 mm	
3.7	Rear wheel gauge	1176 mm	
Dimensions		2155 mm / 1990 mm	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggy version)	1094 mm	
4.8	Seat height/stand height	4195 mm	
4.19	Overall length	3045 mm	
4.20	Length to face of forks	1450 mm	
4.21	Overall width	40 mm x 100 mm / 1200 mm	
4.22	Forks section x width x length	2A	
4.23	Fork carriage ISO 2328 (class/form) A/B	1260 mm	
4.24	Fork carriage width	300 mm	
4.31	Ground clearance below mast	310 mm	
4.32	Ground clearance at centre of wheelbase	3405 mm	
4.35	Turning radius		
Performances		12 km/h / 24.50 km/h	
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)	3100 daN	
5.5	Drawbar pull (Laden)	51 %	
5.7	Gradeability (laden)	Hydraulic brakes by loss of pressure	
5.10	Service brake	Hydrostatic	
Engine		Kubota / D1803 CRT E5B / Stage V	
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		
Miscellaneous		Electronic	
8.1	Type of drive control	200 bar	
8.2	Working hydraulic pressure for attachments	42 l/min	
8.3	Oil flow rate for attachments		

## MC 25-4 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
112	112	112
3300	3700	4500
4090	4490	5290
2500	1450	800
2500	1450	800
3000	3000	3000
3000	3000	3000

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
1210	1310	1410	1510	1660	1920
3400	3700	4000	4300	4700	5500
4236	4536	4836	5168	5536	6408
1900	1500	1350	800	700	500
1800	1450	1350	700	700	5000
3000	2900	3000	3000	3000	3000
3000	3000	3000	3000	3000	3000

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
124
3300
4079
2500



# **MANITOU** HANDLING YOUR WORLD

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