

Technical sheet :

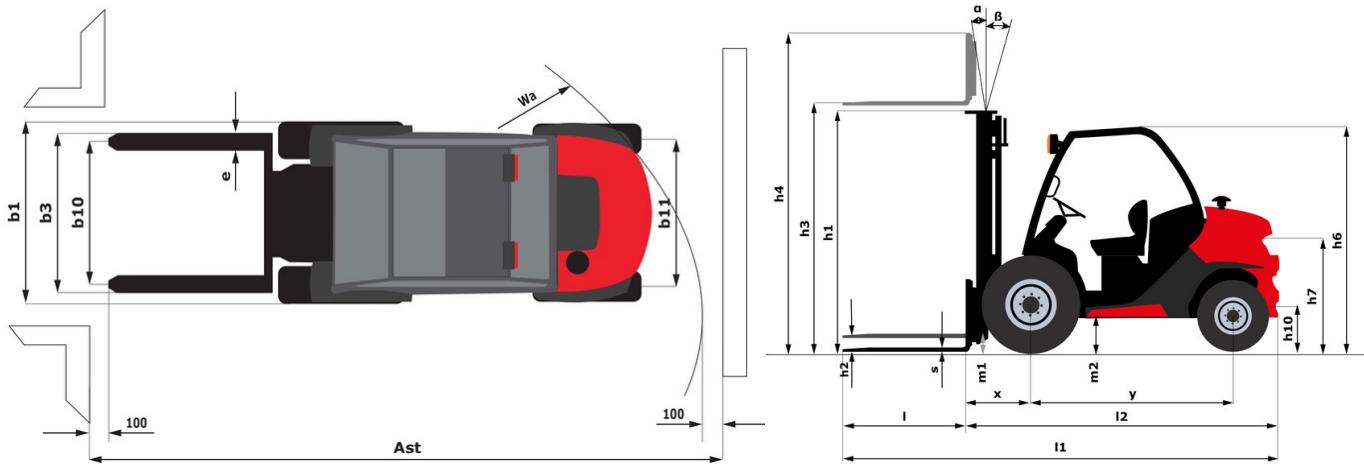
# MC 25-4 ST5



 **MANITOU**  
HANDLING YOUR WORLD

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	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	621 mm
1.9	Wheelbase	y	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		2 / 2
3.5	Number of front wheels / rear wheels		4
3.5.2	Number of drive wheels		1159 mm
3.6	Front wheel gauge	b10	1176 mm
3.7	Rear wheel gauge	b11	
Dimensions			
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggy version)	h6 / h6*	2155 mm / 1990 mm
4.8	Seat height/stand height	h7	1094 mm
4.19	Overall length	l1	4195 mm
4.20	Length to face of forks	l2	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 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)		51 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
Engine			
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5B / Stage V
7.2	Engine power (Hp / kW)		50 Hp/37 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm <sup>3</sup>
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

## 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

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