Technical sheet :

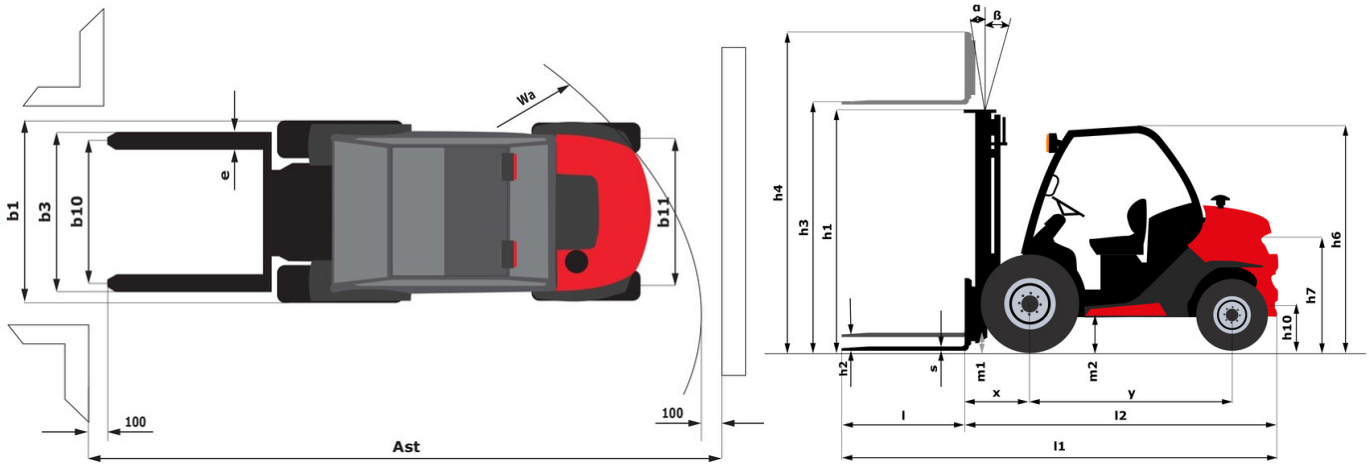
MC 25-4 ST5



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		Sitting
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		
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		
3.1	Tyres 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	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 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		
7.1	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

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	°	12	12	12
Mast/fork carriage tilt, backward	°	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 height	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 height	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	°	12
Mast/fork carriage tilt, backward	°	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

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