Technical sheet :

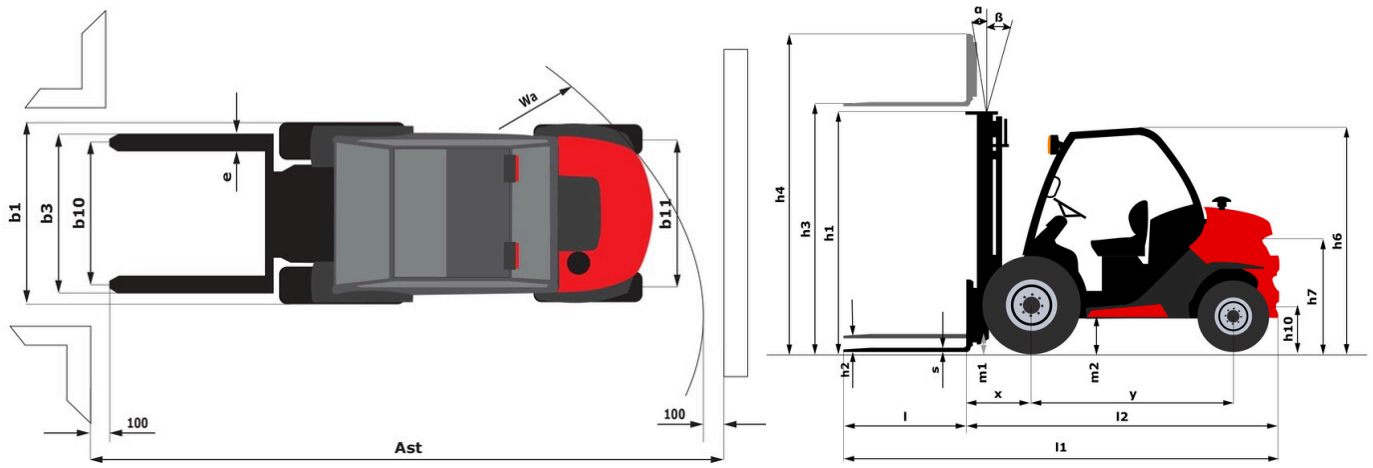
MC 25-4



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 25-4
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	625 mm
1.9	Wheelbase	y	2000 mm
	Weight		
	Standard mast reference of the machine		FVD 33
2.1	Service weight		3928 kg
2.2	Weight on front axle (laden) / rear axle (laden)		5481 kg / 947 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1577 kg / 2351 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	2176 mm / 2028 mm
4.8	Seat height/stand height	h7	1130 mm
4.19	Overall length	l1	4348 mm
4.20	Length to face of forks	l2	3148 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	315 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5253 mm
4.35	Turning radius	Wa	3430 mm
	Performances		
5.1	Travel speed (laden / unladen)		10 km/h / 24 km/h
5.2	Lifting speed (laden / unladen)		0.48 m/s / 0.48 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden)		3050 daN
5.7	Gradeability (laden)		55 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
	Engine		
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5 / Stage V
7.2	Engine power (Hp / kW)		50 Hp/37 kW
7.3	Rated speed		2800 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm³
7.5	Fuel consumption according to VDI cycle		4.30 l/h
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		220 bar
8.3	Oil flow rate for attachments		38 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		80 dB

MC 25-4 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	°	12	12	12	12	12
β - Mast/fork carriage tilt, backward	°	10	10	10	10	10
h1 - Mast lowered height	mm	2188	2338	2598	2788	3038
h2 - Mast free lift	mm	112	112	112	112	112
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	3790	4090	4490	4790	5290
Residual capacity at max height	kg	2500	2500	2500	2000	1300
Residual capacity with hooked-on side shift at max heigth	kg	2340	2340	2340	2100	1290
Height at max capacity	mm	3000	3300	3700	3760	3770
Height at max capacity with hooked-on sideshift	mm	3000	3300	3700	3760	3770

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55
α - Mast/fork carriage tilt, forward	°	12	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	°	10	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2598	2788
h2 - Mast free lift	mm	1210	1310	1410	1510	1660	1760	1920
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5000	5500
h4 - Mast extended height	mm	4236	4536	4836	5168	5536	5878	6408
Residual capacity at max height	kg	2500	2500	2060	1580	1080	800	460
Residual capacity with hooked-on side shift at max heigth	kg	2340	2340	2110	1590	1040	730	340
Height at max capacity	mm	3400	3700	3770	3770	3770	3700	3570
Height at max capacity with hooked-on sideshift	mm	3400	3700	3770	3770	3770	3700	3570

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	°	12
β - 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
Residual capacity at max height	kg	2500
Residual capacity with hooked-on side shift at max heigth	kg	2340
Height at max capacity	mm	3300
Height at max capacity with hooked-on sideshift	mm	3300

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