

Technical sheet :

MC 25-4 ST5



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Imperial	
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	5512 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	24 in
1.9	Wheelbase	y	75 in
Weight			
	Standard mast reference of the machine		FVD 33
2.1	Service weight		9458 lb
2.2	Weight on front axle (laden) / rear axle (laden)		13162 lb / 1808 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3924 lb / 5534 lb
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	46 in
3.7	Rear wheel gauge	b11	46 in
Dimensions			
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6	85 in / 78 in
4.8	Seat height/stand height	h7	43 in
4.19	Overall length	l1	165 in
4.20	Length to face of forks	l2	120 in
4.21	Overall width	b1	57 in
4.22	Forks section x width x length	s / e / l	2 in x 4 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	50 in
4.31	Ground clearance below mast	m1	12 in
4.32	Ground clearance at centre of wheelbase	m2	12 in
4.35	Turning radius	Wa	134 in
Performances			
5.1	Travel speed (laden / unladen)		7 mph / 15 mph
5.2	Lifting speed (laden / unladen)		2 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s / 0.98 ft/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 - 111 in³
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		2901 PSI
8.3	Oil flow rate for attachments		11 US gpm

MC 25-4 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 33	FVD 37	FVD 45
α - Mast/fork carriage tilt, forward	12	12	12
β - Mast/fork carriage tilt, backward	10	10	10
h1 - Mast lowered height	92	102.3	119.6
h2 - Mast free lift	4.4	4.4	4.4
h3 - Mast lifting height	129.9	145.7	177.2
h4 - Mast extended height	161	176.8	208.3
Residual capacity at max height	5512	3197	1764
Residual capacity with hooked-on side shift at max height	5512	3197	1764
Height at max capacity	118.1	118.1	118.1
Height at max capacity with hooked-on sideshift	118.1	118.1	118.1

Free Lift Triplex (FLT)	FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	10	10	10	10	10	6
h1 - Mast lowered height	78.3	82.2	86.1	92	96	109.8
h2 - Mast free lift	47.6	51.6	55.5	59.4	65.4	75.6
h3 - Mast lifting height	133.9	145.7	157.5	169.3	185	216.5
h4 - Mast extended height	166.8	178.6	190.4	203.5	218	252.3
Residual capacity at max height	4189	3307	2976	1764	1543	1102
Residual capacity with hooked-on side shift at max height	3968	3197	2976	1543	1543	11023
Height at max capacity	118.1	114.2	118.1	118.1	118.1	118.1
Height at max capacity with hooked-on sideshift	118.1	118.1	118.1	118.1	118.1	118.1

Full Visibility Triplex (FVT)	FVT 33
α - Mast/fork carriage tilt, forward	12
β - Mast/fork carriage tilt, backward	10
h1 - Mast lowered height	73.9
h2 - Mast free lift	4.9
h3 - Mast lifting height	129.9
h4 - Mast extended height	160.6
Height at max capacity	98.4



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