

Technical sheet :

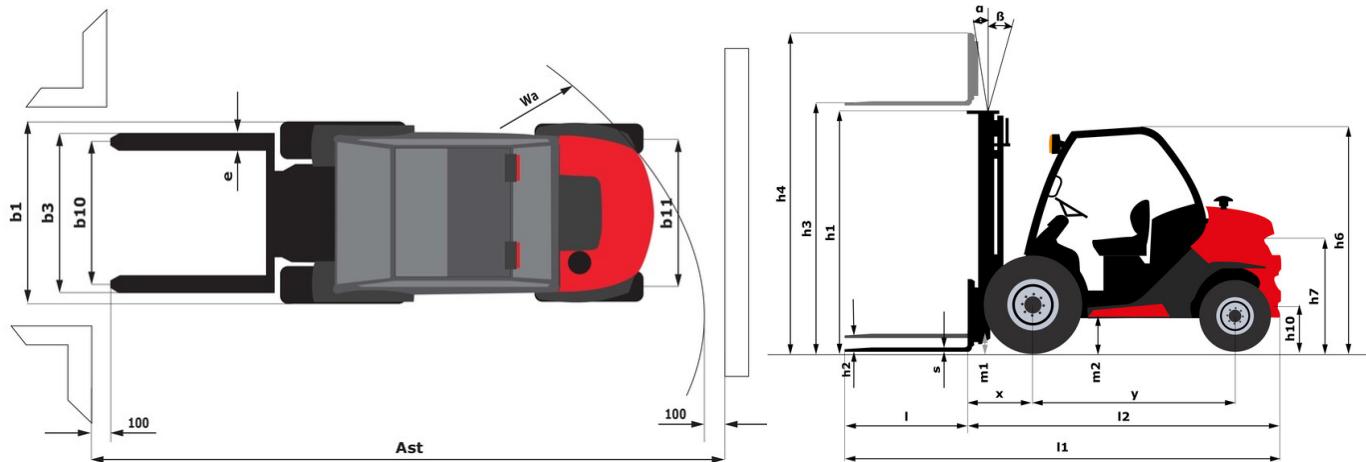
MC 25-4 ST5



 **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		FVD 33
2.1	Standard mast reference of the machine		9458 lb
2.2	Service weight		13162 lb / 1808 lb
2.3	Weight on front axle (laden) / rear axle (laden)		3924 lb / 5534 lb
	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		46 in
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 (Buggy version)	h6 / 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 in ³
	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)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	in
h2 - Mast free lift	in
h3 - Mast lifting height	in
h4 - Mast extended height	in
Residual capacity at max height	lb
Residual capacity with hooked-on side shift at max height	lb
Height at max capacity	in
Height at max capacity with hooked-on sideshift	in

FVD 33	FVD 37	FVD 45
12	12	12
10	10	10
92	102.3	119.6
4.4	4.4	4.4
129.9	145.7	177.2
161	176.8	208.3
5512	3197	1764
5512	3197	1764
118.1	118.1	118.1
118.1	118.1	118.1

Free Lift Triplex (FLT)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	in
h2 - Mast free lift	in
h3 - Mast lifting height	in
h4 - Mast extended height	in
Residual capacity at max height	lb
Residual capacity with hooked-on side shift at max height	lb
Height at max capacity	in
Height at max capacity with hooked-on sideshift	in

FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
12	12	12	12	12	6
10	10	10	10	10	6
78.3	82.2	86.1	92	96	109.8
47.6	51.6	55.5	59.4	65.4	75.6
133.9	145.7	157.5	169.3	185	216.5
166.8	178.6	190.4	203.5	218	252.3
4189	3307	2976	1764	1543	1102
3968	3197	2976	1543	1543	11023
118.1	114.2	118.1	118.1	118.1	118.1
118.1	118.1	118.1	118.1	118.1	118.1

Full Visibility Triplex (FVT)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	in
h2 - Mast free lift	in
h3 - Mast lifting height	in
h4 - Mast extended height	in
Height at max capacity	in

FVT 33
12
10
73.9
4.9
129.9
160.6
98.4



MANITOU HANDLING YOUR WORLD

Head Office

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes