

Technical sheet :

# **MC 25-4 ST5**

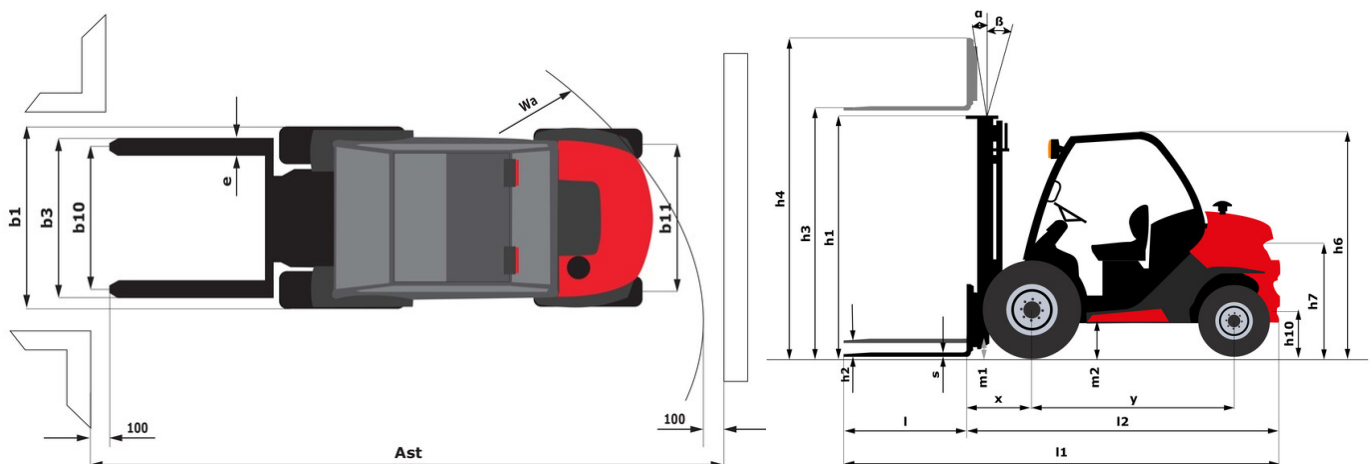
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 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MC 25-4 ST5
1.3	Power source		Diesel
1.4	Operator type		Sitting
1.5	Max. capacity	Q	5512 lb
1.6	Load centre of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	24 in
1.9	Wheelbase	y	75 in
	<b>Weight</b>		
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
	<b>Wheels</b>		
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	46 in
3.7	Rear wheel gauge	b11	46 in
	<b>Dimensions</b>		
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie 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	11171 ft 3 in
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		7 mi/h / 15 mi/h
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
	<b>Engine</b>		
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 - 111 in³
	<b>Miscellaneous</b>		
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
h1 - Height mast lowered *	in	7' 8"	8' 6"	10'
h2 - Free lift	in	4"	4"	4"
h3 - Lifting Height	in	10' 10"	12' 2"	14' 9"
h4 - Height mast extended *	in	13' 5"	14' 9"	17' 4"
$\alpha$ / $\beta$ - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10
Residual capacity without attachment (Industrial load chart)	lb	5511.56	3196.70	1763.70
Residual capacity with hooked-on side shift (Industrial load chart)	lb	5511.56	3196.70	1763.70
Height at max capacity	in	9' 10"	9' 10"	9' 10"
Height at max capacity with hooked-on sideshift	in	9' 10"	9' 10"	9' 10"

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
h1 - Height mast lowered *	in	6' 6"	6' 10"	7' 2"	7' 8"	8'	9' 2"
h2 - Free lift	in	4"	4' 4"	4' 8"	4' 11"	5' 5"	6' 4"
h3 - Lifting Height	in	11' 2"	12' 2"	13' 1"	14' 1"	15' 5"	18' 1"
h4 - Height mast extended *	in	13' 11"	14' 11"	15' 10"	16' 11"	18' 2"	21'
$\alpha$ / $\beta$ - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10	12 / 10	12 / 10	6 / 6
Residual capacity without attachment (Industrial load chart)	lb	4188.78	3306.93	2976.24	1763.70	1543.24	11023.11
Residual capacity with hooked-on side shift (Industrial load chart)	lb	3968.32	3196.70	2976.24	1543.24	1543.24	11023.11
Height at max capacity	in	9' 10"	9' 10"	9' 10"	9' 10"	9' 10"	9' 10"
Height at max capacity with hooked-on sideshift	in	9' 10"	9' 10"	9' 10"	9' 10"	9' 10"	9' 10"

Full Visibility Triplex (FVT)		FVT 33
h1 - Height mast lowered *	in	6' 2"
h2 - Free lift	in	5"
h3 - Lifting Height	in	10' 10"
h4 - Height mast extended *	in	13' 5"
$\alpha$ / $\beta$ - Mast inclination (front / rear)	°	12 / 10



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