

Technical sheet :

# **MC 25-4**

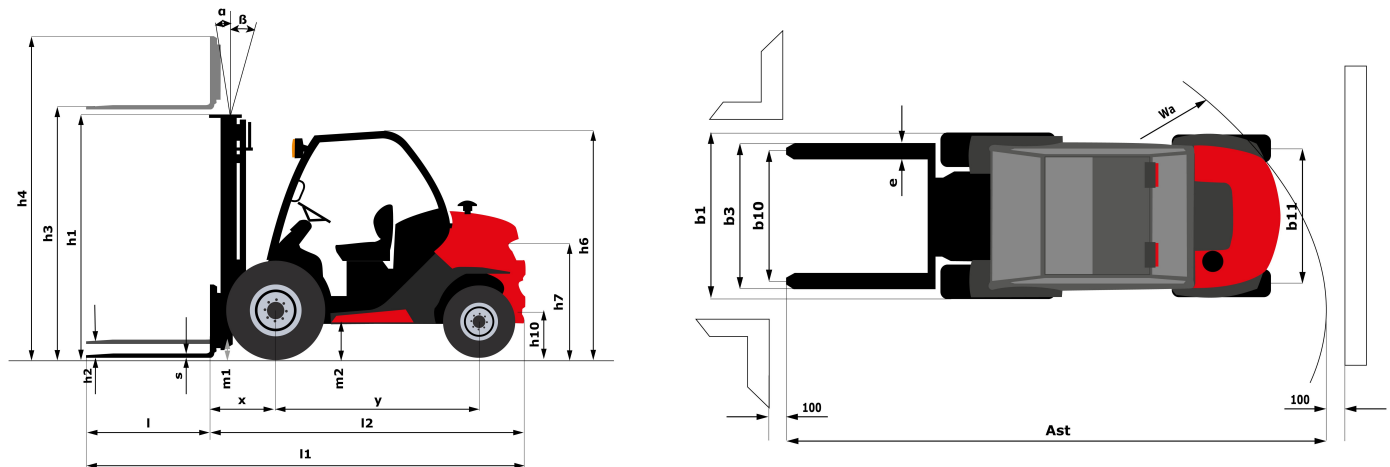
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	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MC 25-4 ST5	MC 25-4 ST5
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	2500 kg	5512 lbs
1.6	Load centre of gravity	c	500 mm	19.685 in
1.8	Load distance, centre of drive axle to fork	x	621 mm	24.449 in
1.9	Wheelbase	y	1900 mm	74.803 in
	Weight			
2.1	Service Weight		4035 kg	8896 lbs
2.2	Weight on front axle (laden) / rear axle (laden)		5550 kg / 985 kg	12236 lbs / 2172 lbs
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1575 kg / 2460 kg	3472 lbs / 5423 lbs
	Wheels			
3.1	Tyres type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		12,5/80-18/12 SL R4	12,5/80-18/12 SL R4
3.3	Dimensions of rear wheels		27x10-12 SKS	27x10-12 SKS
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.2	Number of drive wheels		4	4
3.6	Front wheel gauge	b10	1159 mm	45.63 in
3.7	Rear wheel gauge	b11	1176 mm	46.299 in
	Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha$ / $\beta$	10 / 12	10 / 12
4.7	Height of overhead guard (cabin)	h6	2155 mm	84.843 in
4.7	Overall height of standard overhead guard	h6	2155 mm	84.843 in
4.8	Seat height/stand height	h7	1094 mm	43.071 in
4.19	Overall length	l1	4195 mm	165.157 in
4.20	Length to face of forks	l2	3045 mm	119.882 in
4.21	Overall width	b1	1450 mm	57.087 in
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1150 mm	1.575 in x 4.803 in x 45.276 in
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 2A	FEM 2A
4.24	Fork carriage width	b3	1260 mm	49.606 in
4.31	Ground clearance below mast	m1	300 mm	11.811 in
4.32	Ground clearance at centre of wheelbase	m2	310 mm	1017 ft 1 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5376 mm	211.654 in
4.35	Turning radius	Wa	3405 m	11171 ft 3 in
	Performances			
5.1	Travel speed (laden / unladen)		12 km/h / 24.9 km/h	7.5 mph / 15.5 mph
5.2	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s	1.54 ft/s / 1.51 ft/s
5.3	Lowering speed (laden / unladen)		0.5 m/s / 0.3 m/s	1.64 ft/s / 0.98 ft/s
5.9	Service brake		Hydraulic brakes by loss of pressure	Hydraulic brakes by loss of pressure
	Engine			
7.1	Engine brand / model / norm		Kubota / D1808 CRT E5B / Stage V	Kubota / D1808 CRT E5B / Stage V
7.2	Engine power according to ISO 1585		36 kW	36 kW
7.3	Rated speed		2700 tr/min	2700 tr/min

	Engine			
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm <sup>3</sup>	3 - 111.43 in <sup>3</sup>
	Fuel consumption according to VDI cycle		6 l/h	6 l/h
	Miscellaneous			
8.1	Type of drive control		Cable	Cable
8.2	Working hydraulic pressure for attachments (bar)		180 Bar	12 PSI
8.3	Oil flow rate for attachments		53 l/min	53 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 82 dB(A)	< 82 dB(A)

## Dimensional drawing

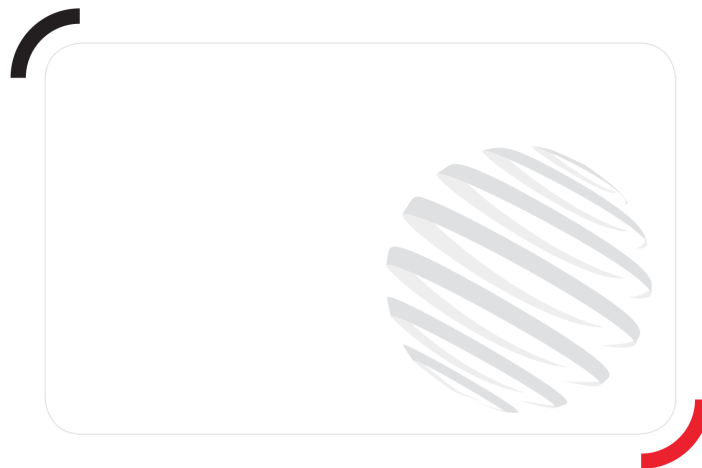


## Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 33	FVD 37	FVD 45
h2 - Free lift	mm	112	112	112
h1 - Height mast Lowered	mm	2338	2598	3038
h3 - Lifting Height	mm	3300	3700	4500
h4 - Height mast extended	mm	4090	4490	5290
$\alpha / \beta$ - Mast inclination (front / rear)	°	10 / 12	10 / 12	10 / 12
Height at max capacity	mm	3000		

Free Lift Triplex		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
h2 - Free lift	mm	1210	1310	1410	1510	1510	1920
h1 - Height mast Lowered	mm	1988	2088	2188	2338	2338	2788
h3 - Lifting Height	mm	3400	3700	4000	4300	4700	5500
h4 - Height mast extended	mm	4236	4536	4836	5168	5168	6408
$\alpha / \beta$ - Mast inclination (front / rear)	°	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	6 / 6

Full Visibility Triplex		FVT 33
h2 - Free lift	mm	124
h1 - Height mast Lowered	mm	1878
h3 - Lifting Height	mm	3300
h4 - Height mast extended	mm	4079
$\alpha / \beta$ - Mast inclination (front / rear)	°	10 / 12



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