

Technical sheet :

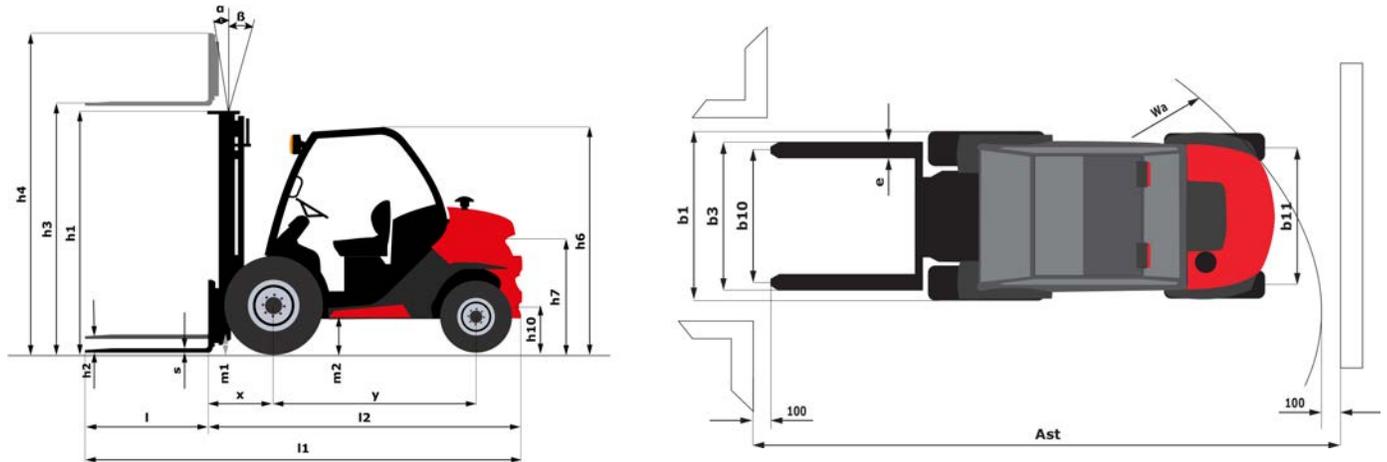
# **MC 30-4 ST5**

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	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 30-4 ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	626 mm
1.9	Wheelbase	y	1900 mm
	<b>Weight</b>		
2.1	Service weight		4438 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6514 kg / 1057 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1736 kg / 2835 kg
	<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	1159 mm
3.7	Rear wheel gauge	b11	1176 mm
	<b>Dimensions</b>		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	12 / 10
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2155 mm / 1990 mm
4.8	Seat height/stand height	h7	1094 mm
4.19	Overall length	l1	4235 mm
4.20	Length to face of forks	l2	3085 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section x width x length	s / e / l	45 mm x 100 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 3A
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	310 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5461 mm
4.35	Turning radius	Wa	3435 mm
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		12 km/h / 24.5 km/h
5.2	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.5 m/s / 0.3 m/s
5.5	Drawbar pull (Laden / Unladen)		3270 daN / 1150 daN
5.7	Gradeability (laden / unladen)		40 % / 43 %
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 - 1826 cm <sup>3</sup>
7.5	Fuel consumption according to VDI cycle		4.6 l/h
	<b>Miscellaneous</b>		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		230 Bar
8.3	Oil flow rate for attachments		43 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		75 dB(A)

## Dimensional drawing

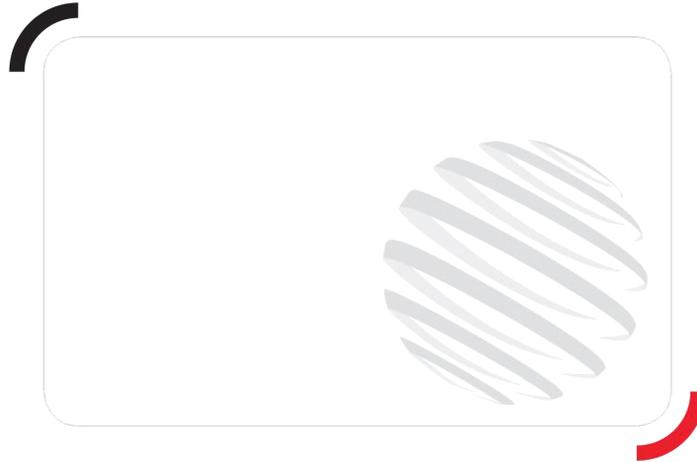


## Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 33	FVD 37	FVD 45
h1 - Height mast lowered *	mm	2340	2600	3040
h2 - Free lift	mm	90	90	90
h4 - Height mast extended *	mm	4238	4638	5438
$\alpha / \beta$ - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10

Free Lift Triplex		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
h1 - Height mast lowered *	mm	1988	2090	2190	2340	2440	2790
h2 - Free lift	mm	1235	1292	1392	1542	1642	1992
h4 - Height mast extended *	mm	4236	4545	4845	5145	5545	6345
$\alpha / \beta$ - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10	12 / 10	12 / 10	6 / 6

Full Visibility Triplex		FVT 33
h1 - Height mast lowered *	mm	1878
h2 - Free lift	mm	129
h3 - Lifting Height	mm	3300
h4 - Height mast extended *	mm	4079
$\alpha / \beta$ - Mast inclination (front / rear)	°	12 / 10



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