

Technical sheet :

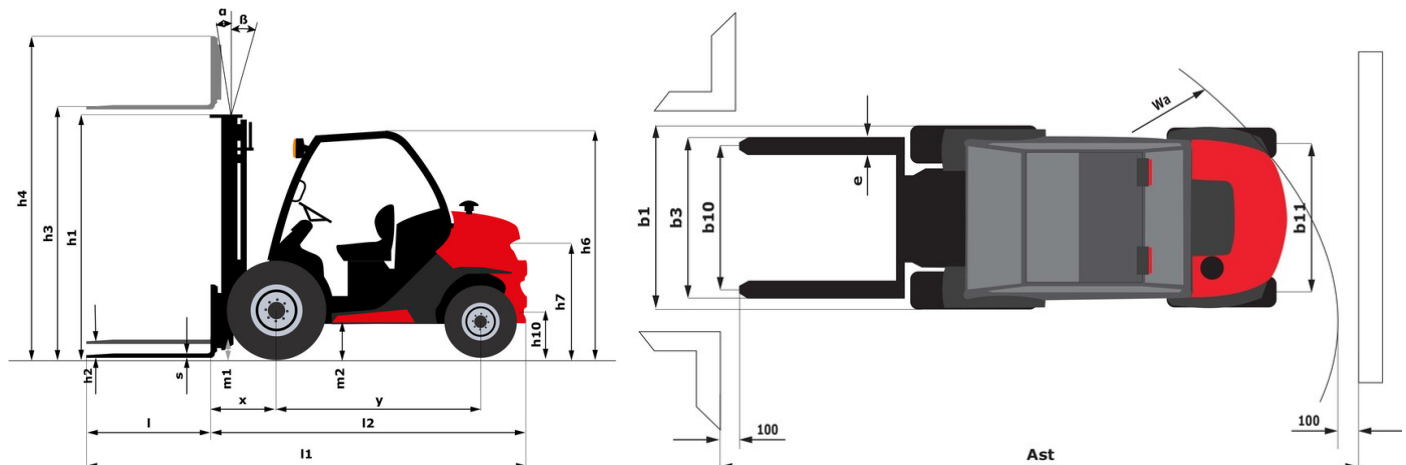
# **MC 30-4 ST5**

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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		Sitting
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		4440 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6650 kg / 790 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
4.31	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
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		12 km/h / 24.50 km/h
5.2	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden)		3100 daN
5.7	Gradeability (laden)		46 %
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>
	<b>Miscellaneous</b>		
8.1	Type of drive control		Electronic
8.3	Oil flow rate for attachments		42 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		79 dB

## MC 30-4 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Duplex with total visibility		FVD 33	FVD 37	FVD 45
h2 - Free lift	mm	117	117	117
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)	°	12 / 10	12 / 10	12 / 10
Residual capacity without attachment (Industrial load chart)	kg	1400	1400	500
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1400	1400	500
Height at max capacity	mm	2700	2700	2800
Height at max capacity with hooked-on sideshift	mm	2700	2700	2800

Free lift triplex		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
h2 - Free lift	mm	1235	1335	1435	1585	1685	2035
h1 - Height mast lowered *	mm	1988	2088	2188	2338	2438	2788
h3 - Lifting Height	mm	3400	3700	4000	4300	4700	5500
h4 - Height mast extended *	mm	4236	4536	4836	5136	5536	6336
$\alpha / \beta$ - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10	12 / 10	12 / 10	6 / 6
Residual capacity without attachment (Industrial load chart)	kg	1900	1500	1300	1400	430	500
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1800	1500	1250		400	400
Height at max capacity	mm	2700	2600	2700	3100	2700	2500
Height at max capacity with hooked-on sideshift	mm	2700	2600	2700		2700	2500

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



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