

Technical sheet :

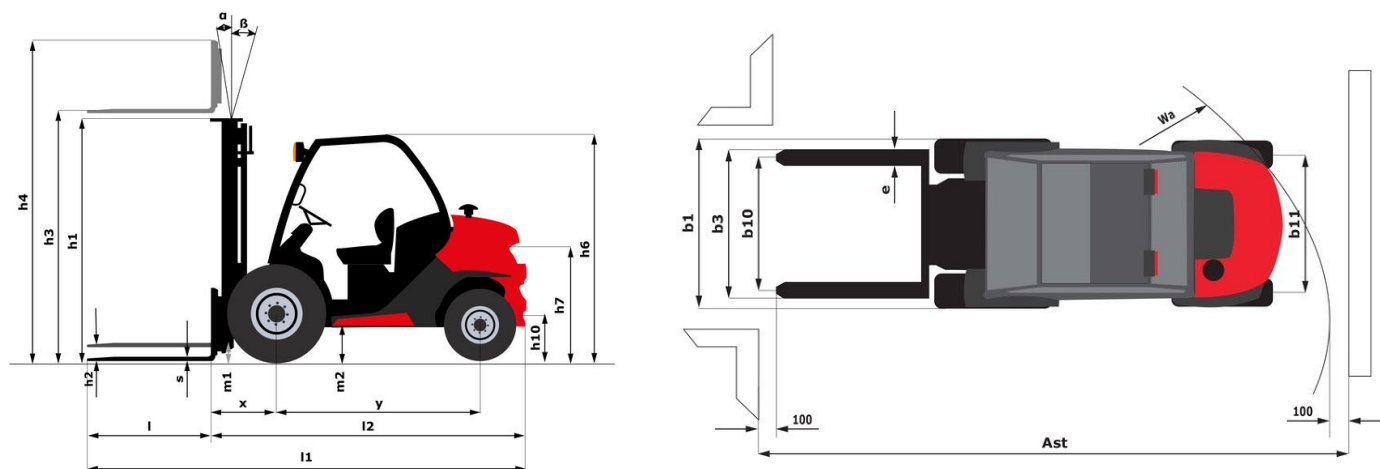
# **MC 30-2 ST5**

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	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 30-2 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		4220 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6570 kg / 650 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1570 kg / 2650 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		7,00-12/12 ED PLUS
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
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	1034 mm
4.19	Overall length	l1	4265 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	320 mm
4.33	Aisle width for 1000 x 1200 pallet widths	Ast	4626 mm
4.35	Turning radius	Wa	2650 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 / Unladen)		1700 daN / 910 daN
5.7	Gradeability (laden / unladen)		24 % / 22 %
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		3.73 l/h
	<b>Miscellaneous</b>		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		220 bar
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(A)

## Dimensional drawing

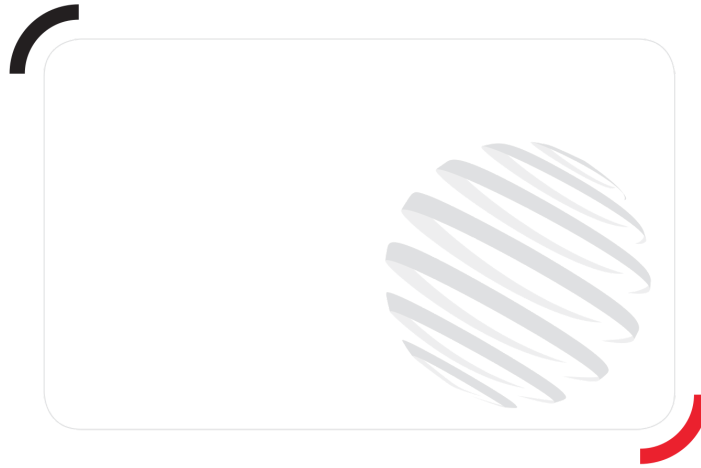


## Characteristics of masts and residual capacities

Full Visibility Duplex		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	1400	1250		430	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

Full Visibility Triplex		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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