

Technical sheet :

# M 30-4 ST5

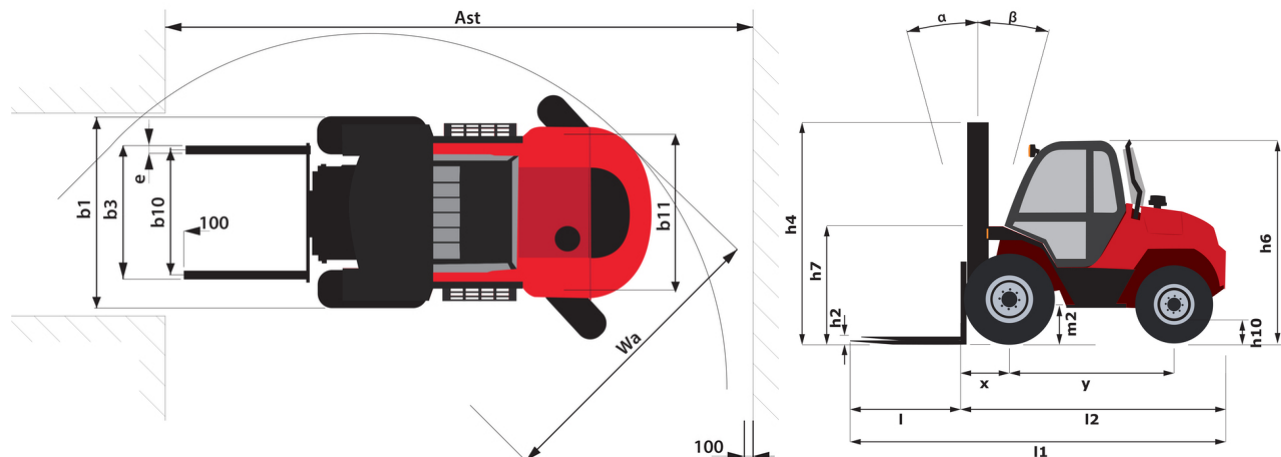
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 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer		MANITOU
1.2	Model Name		M 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	747 mm
1.9	Wheelbase	y	1995 mm
Weight			
2.1	Service weight		5965 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7490 kg / 1475 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2155 kg / 3810 kg
Wheels			
3.1	Tyres type		Pneumatic
3.2	Dimensions of front wheels		405/70-20 149B 1323
3.3	Dimensions of rear wheels		10,5-18 12PR 1317
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	1520 mm
3.7	Rear wheel gauge	b11	1630 mm
Dimensions			
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2458 mm / 2458 mm
4.8	Seat height/stand height	h7	1426 mm
4.19	Overall length	l1	4701 mm
4.20	Length to face of forks	l2	3501 mm
4.21	Overall width	b1	1927 mm
4.22	Forks section x width x length	s / e / l	40 mm x 125 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 3A
4.24	Fork carriage width	b3	1470 mm
4.31	Ground clearance below mast	m1	399 mm
4.32	Ground clearance at centre of wheelbase	m2	395 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	6180 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6180 mm
4.35	Turning radius	Wa	4030 mm
Performances			
5.1	Travel speed (laden / unladen)		10 km/h / 22 km/h
5.2	Lifting speed (laden / unladen)		0.60 m/s / 0.60 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.5	Drawbar pull (Laden / Unladen)		6290 daN / 4250 daN
5.10	Service brake		Hydraulic
Engine			
7.1	Engine brand / model		Deutz / TCD 2,9
7.2	Engine power according to ISO 1585		55 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm³
Miscellaneous			
8.1	Type of drive control		Electric
8.2	Working hydraulic pressure for attachments		185 bar
8.3	Oil flow rate for attachments		97 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		78 dB

## M 30-4 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Duplex with total visibility		FVD 37	FVD 45
h1 - Height mast lowered *	mm	2689	3129
h4 - Height mast extended *	mm	4619	5419
h3 - Max. lifting height	mm	3700	4500
$\alpha$ / $\beta$ - Mast inclination (front / rear)	°	6 / 12	6 / 12
Residual capacity at max height	kg	3000	3000
Residual capacity with hooked-on side shift (Off road load chart)	kg	3000	3000

Free lift triplex		FLT 43	FLT 50	FLT 65
h2 - Free lift	mm	1573	1833	2523
h1 - Height mast lowered *	mm	2429	2689	3379
h4 - Height mast extended *	mm	5227	5927	7427
h3 - Max. lifting height	mm	4300	5000	6500
$\alpha$ / $\beta$ - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12
Residual capacity at max height	kg	3000		
Residual capacity with hooked-on side shift (Off road load chart)	kg	3000	1600	500

Triplex with total visibility		FVT 55
h1 - Height mast lowered *	mm	2959
h4 - Height mast extended *	mm	6557
h3 - Max. lifting height	mm	5500
$\alpha$ / $\beta$ - Mast inclination (front / rear)	°	6 / 10
Residual capacity at max height	kg	2000
Residual capacity with hooked-on side shift (Off road load chart)	kg	1500



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