

Technical sheet :

# M 30-4 D ST5

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 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer		MANITOU
1.2	Model Name		M 30-4 D ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load center 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	Tires 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		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			
7.2	I.C. Engine power rating		55 kW
7.1	Engine brand / model / norm		Deutz / TCD 2,9 / Stage V
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm <sup>3</sup>
Miscellaneous			
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 D ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 37	FVD 45
$\alpha$ - Mast/fork carriage tilt, forward	°	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2689	3129
h3 - Mast lifting height	mm	3700	4500
Residual capacity at max height	kg	3000	3000
Residual capacity with hooked-on side shift at max height	kg	3000	3000
Height at max capacity	mm	3700	4500
Height at max capacity with hooked-on sideshift	mm	3700	4500

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
$\alpha$ - Mast/fork carriage tilt, forward	°	6	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	mm	2429	2689	3379
h2 - Mast free lift	mm	1573	1833	2523
h3 - Mast lifting height	mm	4300	5000	6500
Residual capacity at max height	kg	3000		
Residual capacity with hooked-on side shift at max height	kg	3000	1600	500
Height at max capacity	mm	4300	2500	2500
Height at max capacity with hooked-on sideshift	mm	3000	4100	4300

Full Visibility Triplex (FVT)		FVT 55	FVT 70
$\alpha$ - Mast/fork carriage tilt, forward	°	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	10	10
h1 - Mast lowered height	mm	2959	3629
h3 - Mast lifting height	mm	5500	7000
Residual capacity at max height	kg	2000	
Residual capacity with hooked-on side shift at max height	kg	1500	
Height at max capacity	mm	4200	
Height at max capacity with hooked-on sideshift	mm	4200	



**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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