

Technical sheet :

# **M 30-4 D ST5**

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 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Imperial
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	6614 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	29 in
1.9	Wheelbase	y	79 in
	<b>Weight</b>		
2.1	Service weight		13151 lb
2.2	Weight on front axle (laden) / rear axle (laden)		16513 lb / 3252 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		4751 lb / 8400 lb
	<b>Wheels</b>		
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	60 in
3.7	Rear wheel gauge	b11	64 in
	<b>Dimensions</b>		
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	97 in / 97 in
4.8	Seat height/stand height	h7	56 in
4.19	Overall length	l1	185 in
4.20	Length to face of forks	l2	138 in
4.21	Overall width	b1	76 in
4.22	Forks section x width x length	s / e / l	2 in x 5 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	58 in
4.31	Ground clearance below mast	m1	16 in
4.32	Ground clearance at centre of wheelbase	m2	16 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	243 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	243 in
4.35	Turning radius	Wa	159 in
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		6 mph / 14 mph
5.2	Lifting speed (laden / unladen)		2 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		1 ft/s / 1 ft/s
5.5	Drawbar pull (Laden / Unladen)		6290 daN / 4250 daN
5.10	Service brake		Hydraulic
	<b>Engine</b>		
7.2	Engine power according to ISO 1585		55 kW
7.1	Engine brand / model / norm		Deutz / TCD 2,9 / Stage V
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 - 178 in³
	<b>Miscellaneous</b>		
8.2	Working hydraulic pressure for attachments		2683 PSI
8.3	Oil flow rate for attachments		26 US gpm
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
Mast/fork carriage tilt, forward	°	6	6
Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	in	105.9	123.2
h3 - Mast lifting height	in	145.7	177.2
Residual capacity at max height	lb	6614	6614
Residual capacity with hooked-on side shift at max height	lb	6614	6614
Height at max capacity	in	145.7	177.2
Height at max capacity with hooked-on sideshift	in	145.7	177.2

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	95.6	105.9	133
h2 - Mast free lift	in	61.9	72.2	99.3
h3 - Mast lifting height	in	169.3	196.9	255.9
Residual capacity at max height	lb	6614		
Residual capacity with hooked-on side shift at max height	lb	6614	3527	1102
Height at max capacity	in	169.3	98.4	98.4
Height at max capacity with hooked-on sideshift	in	118.1	161.4	169.3

Full Visibility Triplex (FVT)		FVT 55	FVT 70
Mast/fork carriage tilt, forward	°	6	6
Mast/fork carriage tilt, backward	°	10	10
h1 - Mast lowered height	in	116.5	142.9
h3 - Mast lifting height	in	216.5	275.6
Residual capacity at max height	lb	4409	
Residual capacity with hooked-on side shift at max height	lb	3307	
Height at max capacity	in	165.4	
Height at max capacity with hooked-on sideshift	in	165.4	



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