

Technical sheet :

M 30-4 D ST5



 **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
Weight			
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
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	60 in
3.7	Rear wheel gauge	b11	64 in
Dimensions			
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
Performances			
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
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 - 178 in³
Miscellaneous			
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
α - Mast/fork carriage tilt, forward	°	6	6
β - 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
α - Mast/fork carriage tilt, forward	°	6	6	6
β - 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
α - Mast/fork carriage tilt, forward	°	6	6
β - 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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