Technical sheet:

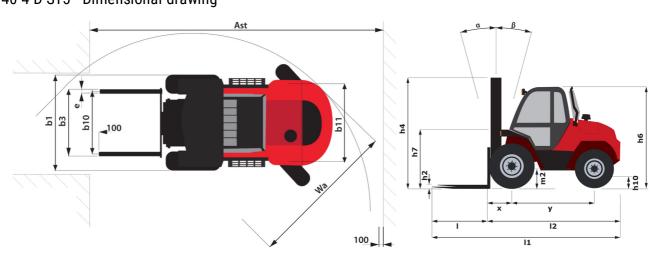
M 40-4 D ST5





		M 40-4 D STS Created	on November 20, 2025 at 7.55 PM 0
	Technical characteristics		Imperial
1.1	Manufacturer		MANITOU
1.2	Model Name		M 40-4 D ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	8818 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	30 in
1.9	Wheelbase	y	83 in
	Weight		22.11
	Standard mast reference of the machine		FVD 37
2.1	Service weight		15355 lb
2.2	Weight on front axle (laden) / rear axle (laden)		19864 lb / 4310 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		5787 lb / 9568 lb
2.0	Wheels		3707 10 7 3300 10
3.1	Tires type		Pneumatic
3.1	Dimensions of front wheels		18-22,5 MPT-06
3.3	Dimensions of rear wheels		340/80 R18 XMCL
3.5	Number of front wheels / rear wheels		2 / 2
			4
3.5.2	Number of drive wheels	h10	
3.6	Front wheel gauge	b10	64 in
3.7	Rear wheel gauge	b11	69 in
	Dimensions		201.1001
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	98 in / 98 in
4.8	Seat height/stand height	h7	57 in
4.19	Overall length	l1	191 in
4.20	Length to face of forks	12	144 in
4.21	Overall width	b1	82 in
4.22	Forks section x width x length	s / e / l	2 in x 6 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	66 in
4.31	Ground clearance below mast	m1	12 in
4.32	Ground clearance at centre of wheelbase	m2	17 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	265 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	265 in
4.35	Turning radius	Wa	180 in
	Performances		
5.1	Travel speed (laden / unladen)		6 mph / 14 mph
5.2	Lifting speed (laden / unladen)		1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s / 1 ft/s
5.5	Drawbar pull (Laden / Unladen)		11000 daN / 6600 daN
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model / norm		Deutz / TCD 2,9 / Stage V
7.2	Engine power (Hp / kW)		75 Hp/55 kW
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		3046 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		76 dB

M 40-4 D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
α - Mast/fork carriage tilt, forward	۰	15	15	15	15	15	10
β - Mast/fork carriage tilt, backward		15	15	15	15	15	15
h1 - Mast lowered height	in	105.1	109.1	113	118.9	128.7	138.6
h3 - Mast lifting height	in	129.9	137.8	145.7	157.5	177.2	196.9
Residual capacity at max height	lb	8818	8818	8818	8818		
Residual capacity with hooked-on side shift at max heigth	lb	8818	8818	8818	8818		
Height at max capacity	in	129.9	137.8	145.7	157.5	98.4	98.4
Height at max capacity with hooked-on sideshift	in	129.9	137.8	145.7	157.5		
Email if triplay (ELT)		FIT 42	EIT AE	ELT 47	FIT FO	ELT EE	FIT 60
		FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
a - Mast/fork carriage tilt, forward	۰	15	15	15	10	10	10
a - Mast/fork carriage tilt, forward	0						
a - Mast/fork carriage tilt, forward 3 - Mast/fork carriage tilt, backward		15	15	15	10	10	10
Free Lift Triplex (FLT) α - Mast/fork carriage tilt, forward β - Mast/fork carriage tilt, backward h1 - Mast lowered height h2 - Mast free lift	۰	15 15	15 15	15 15	10 15	10 15	10 15
n - Mast/fork carriage tilt, forward 3 - Mast/fork carriage tilt, backward n1 - Mast lowered height	in	15 15 97.2	15 15 100.2	15 15 102.6	10 15 107.1	10 15 113	10 15 119.9
n - Mast/fork carriage tilt, forward 3 - Mast/fork carriage tilt, backward 11 - Mast lowered height 12 - Mast free lift	in in	15 15 97.2 57.3	15 15 100.2 60.2	15 15 102.6 62.6	10 15 107.1 67.1	10 15 113 73	10 15 119.9 79.9
1 - Mast/fork carriage tilt, forward 3 - Mast/fork carriage tilt, backward 11 - Mast lowered height 12 - Mast free lift 13 - Mast lifting height	in in in	15 15 97.2 57.3 169.3	15 15 100.2 60.2 177.2	15 15 102.6 62.6	10 15 107.1 67.1	10 15 113 73	10 15 119.9 79.9
1 - Mast/fork carriage tilt, forward 3 - Mast/fork carriage tilt, backward 11 - Mast lowered height 12 - Mast free lift 13 - Mast lifting height Residual capacity at max height Residual capacity with hooked-on side shift	in in in lb	15 15 97.2 57.3 169.3	15 15 100.2 60.2 177.2 8818	15 15 102.6 62.6	10 15 107.1 67.1 196.9	10 15 113 73 216.5	10 15 119.9 79.9





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