Technical sheet:

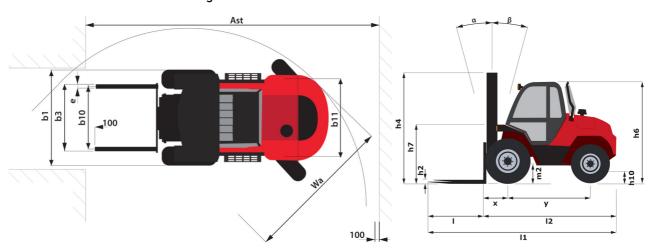
M 40-4 D ST5





	M 40-4 D ST5 U	M 40-4 D 5T5 Created on August 2, 2025 at 3.51 AM 010			
Technical characteristics		Metric			
Manufacturer		MANITOU			
Model Name		M 40-4 D ST5			
Power source		Diesel			
Operator type		Seated			
Max. capacity	Q	4000 kg			
Load center of gravity	C	500 mm			
Load distance, centre of drive axle to fork	x	763 mm			
Wheelbase	y	2120 mm			
Weight					
Standard mast reference of the machine		FVD 37			
Service weight		6965 kg			
Weight on front axle (laden) / rear axle (laden)		9010 kg / 1955 kg			
Weight on front axle (Unladen) / rear axle (Unladen)		2625 kg / 4340 kg			
Wheels		2020 kg / 4040 kg			
Tires type		Pneumatic			
Dimensions of front wheels		18-22,5 MPT-06			
Dimensions of rear wheels		340/80 R18 XMCL			
Number of front wheels / rear wheels		2 / 2			
Number of triont wheels Number of drive wheels		4			
	h10				
Front wheel gauge	b10	1620 mm			
Rear wheel gauge	b11	1740 mm			
Dimensions					
Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2486 mm / 2486 mm			
Seat height/stand height	h7	1455 mm			
Overall length	l1	4858 mm			
Length to face of forks	12	3658 mm			
Overall width	b1	2080 mm			
Forks section x width x length	s / e / l	50 mm x 150 mm / 1200 mm			
Fork carriage ISO 2328 (class/form) A/B		3A			
Fork carriage width	b3	1670 mm			
Ground clearance below mast	m1	300 mm			
Ground clearance at centre of wheelbase	m2	426 mm			
Aisle width for 1000 x 1200 pallet widthways	Ast	6732 mm			
Aisle width for 800 x 1200 pallet lengthways	Ast	6732 mm			
Turning radius	Wa	4570 mm			
Performances					
Travel speed (laden / unladen)		10 km/h / 22 km/h			
Lifting speed (laden / unladen)		0.40 m/s / 0.40 m/s			
Lowering speed (laden / unladen)		0.50 m/s / 0.40 m/s			
Drawbar pull (Laden / Unladen)		11000 daN / 6600 daN			
Service brake		Hydraulic			
Transmission type		Torque converter			
Engine					
Engine brand / model / norm		Deutz / TCD 2,9 / Stage V			
I.C. Engine power rating		55 kW			
Rated speed		2300 rpm			
Number of cylinders / Capacity of cylinders		4 - 2925 cm³			
Miscellaneous					
Working hydraulic pressure for attachments		210 bar			
Oil flow rate for attachments		97 l/min			
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	٥	15	15	15	15	15	15
h1 - Mast lowered height	mm	2670	2770	2870	3020	3270	3520
h3 - Mast lifting height	mm	3300	3500	3700	4000	4500	5000
Residual capacity at max height	kg	4000	4000	4000	4000		
Residual capacity with hooked-on side shift at max heigth	kg	4000	4000	4000	4000		
Height at max capacity	mm	3300	3500	3700	4000	2500	2500
Height at max capacity with hooked-on sideshift	mm	3300	3500	3700	4000		
Free Lift Triplex (FLT)	•	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
. , ,							
α - Mast/fork carriage tilt, forward		15	15	15	10	10	10
β - Mast/fork carriage tilt, backward	•	15	15	15	15	15	15
h1 - Mast lowered height	mm	2470	2545	2605	2720	2870	3045
h2 - Mast free lift	mm	1455	1530	1590	1705	1855	2030
h3 - Mast lifting height	mm	4300	4500	4700	5000	5500	6000
Residual capacity at max height	kg	4000	4000				
Residual capacity with hooked-on side shift at max heigth	kg		3800		3100	2000	
Height at max capacity	mm	4300	4500	2500	2500	2500	2500
Height at max capacity with hooked-on sideshift	mm		4000		3700	3700	





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