Technical sheet:

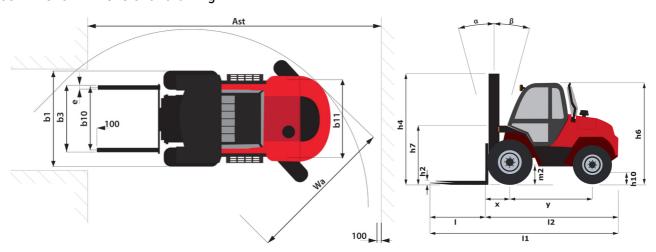
M 50-4 D ST5





			M 50-4 D 5T5 Created on 11 May 2024 at 7.44.44 010			
	Technical characteristics		Metric			
1.1	Manufacturer		MANITOU			
1.2	Model Name		M 50-4 D ST5			
1.3	Power source		Diesel			
1.4	Operator type		Seated			
1.5	Max. capacity	Q	5000 kg			
1.6	Load center of gravity	С	600 mm			
1.8	Load distance, centre of drive axle to fork	x	773 mm			
1.9	Wheelbase	У	2120 mm			
	Weight					
2.1	Service weight		8325 kg			
2.2	Weight on front axle (laden) / rear axle (laden)		11520 kg / 1805 kg			
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3285 kg / 5040 kg			
	Wheels					
3.1	Tires type		Pneumatic			
3.2	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			
3.5.2	Number of drive wheels		4			
3.6	Front wheel gauge	b10	1620 mm			
3.7	Rear wheel gauge	b11	1740 mm			
	Dimensions					
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2486 mm / 2486 mm			
4.8	Seat height/stand height	h7	1455 mm			
4.19	Overall length	 I1	4948 mm			
4.20	Length to face of forks	12	3748 mm			
4.21	Overall width	b1	2080 mm			
4.22	Forks section x width x length	s / e / l	60 mm x 150 mm / 1200 mm			
4.23	Fork carriage ISO 2328 (class/form) A/B	3,2,1	4A			
4.24	Fork carriage width	b3	1670 mm			
4.31	Ground clearance below mast	m1	300 mm			
4.32	Ground clearance at centre of wheelbase	m2	426 mm			
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	6812 mm			
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6812 mm			
4.35	Tuming radius	Wa	4640 mm			
	Performances					
5.1	Travel speed (laden / unladen)		10 km/h / 22 km/h			
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.40 m/s			
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.40 m/s			
5.5	Drawbar pull (Laden)		11000 daN			
5.10	Service brake		Hydraulic			
0.10	Engine	_	riyaladile			
7.2	Engine power according to ISO 1585	_	55 kW			
7.1	Engine brand / model / nom		Deutz / TCD 2,9 / Stage V			
7.1	Engine power according to ISO 1585		55 kW			
7.2	Rated speed		2300 rpm			
7.3	Number of cylinders / Capacity of cylinders		4 - 2925 cm³			
7.4	Miscellaneous		4 - 2723 CIII			
9.2			220 hor			
8.2 8.3	Working hydraulic pressure for attachments Oil flow rate for attachments		230 bar 97 I/min			

M 50-4 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
Mast/fork carriage tilt, forward	۰	15	15	15	15	15	15
Mast/fork carriage tilt, backward	۰	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	5000	5000	5000	5000	3600	2200
Residual capacity with hooked-on side shift at max heigth	kg	4700	4700	4700	4000	4000	3800
Height at max capacity	mm	3300	3500	3700	4000	4000	4000
Height at max capacity with hooked-on sideshift	mm	3300	3500	3700	4000	4000	4000

Free Lift Triplex (FLT)		FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	۰	15	15	15	10	10	10
Mast/fork carriage tilt, backward	۰	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	4500	4350	3500	2800	1800	900
Residual capacity with hooked-on side shift at max heigth	kg		4100	3600	2100	2000	900
Height at max capacity	mm	3800	4000	4000	4000	4000	4000
Height at max capacity with hooked-on sideshift	mm		4000	4000	4000	4000	4000





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