Technical sheet :

M 50-2 D ST5



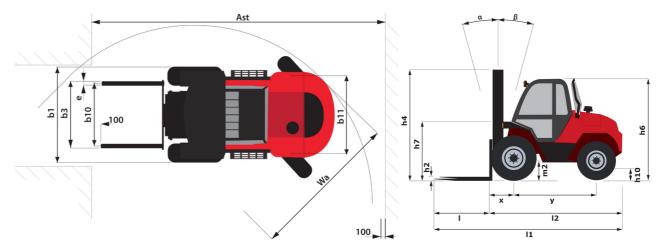


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	C
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5	Number of drive wheels	
		L1
3.6	Front wheel gauge	b1
3.7	Rear wheel gauge	b1
	Dimensions	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 /
4.8	Seat height/stand height	h
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	p.
4.22	Forks section x width x length	s / e
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	b
4.31	Ground clearance below mast	m
4.32	Ground clearance at centre of wheelbase	m
4.33	Aisle width for 1000 x 1200 pallet widthways	As
4.34	Aisle width for 800 x 1200 pallet lengthways	As
4.35	Turning radius	W
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden)	
5.7	Gradeability (laden)	
5.10	Service brake	
	Transmission type	
	Engine	
7.1	Engine brand / model / norm	
7.1	I.C. Engine power rating	
7.3	Rated speed	
7.3	Number of cylinders / Capacity of cylinders	
7.4		
0.0	Miscellaneous	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

M50-2DST5 Created on August 11, 2025 at 8:18 AM UTC

Metric MANITOU M 50-2 D ST5 Diesel Seated 5000 kg 600 mm 773 mm 2060 mm FVD 37 8275 kg 11615 kg / 1660 kg 3285 kg / 4990 kg	
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8275 kg 11615 kg / 1660 kg	
8275 kg 11615 kg / 1660 kg	
11615 kg / 1660 kg	
3285 kg / 4990 kg	
Pneumatic	
18-19,5 18PR A224	
10R17,5 G291 GY	
2 / 2	
2	
1600 mm	
1640 mm	
* 2440 mm / 2440 mm	
1407 mm	
4948 mm	
3748 mm	
2057 mm	
60 mm x 150 mm / 1200 mm	
4A	
1670 mm	
250 mm	
377 mm	
5640 mm	
5640 mm	
3465 mm	
22 km/h / 22 km/h	
0.40 m/s / 0.40 m/s	
0.40 m/s / 0.40 m/s 0.50 m/s / 0.40 m/s	
0.50 m/s / 0.40 m/s	
0.50 m/s / 0.40 m/s 6900 daN 51 %	
0.50 m/s / 0.40 m/s 6900 daN	
0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic	
0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic Torque converter	
0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic	
0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic Torque converter Deutz / TCD 2,9 / Stage V 55 kW	
0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic Torque converter Deutz / TCD 2,9 / Stage V 55 kW 2300 rpm	
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0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic Torque converter Deutz / TCD 2,9 / Stage V 55 kW 2300 rpm 4 · 2925 cm ³	
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0.50 m/s / 0.40 m/s 6900 daN 51 % Hydraulic Torque converter Deutz / TCD 2,9 / Stage V 55 kW 2300 rpm 4 · 2925 cm ³	
2057 mm 60 mm x 150 mm / 1200 mm 4A 1670 mm 250 mm 377 mm 5640 mm 5640 mm	

M 50-2 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	۰	15	15	15	15	15	15
h1 - Mast lowered height	mm	2625	2725	2825	2975	3225	3475
h3 - Mast lifting height	mm	3300	3700	3700	4000	4500	5000
Residual capacity at max height	kg	5000	5000	5000	5000	4750	3500
Residual capacity with hooked-on side shift at max heigth	kg	4700	4700	4700	4700	4400	
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	

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	٥	15	15	15	15	15	15
h1 - Mast lowered height	mm	2425	2500	2560	2675	2825	3000
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	3500	2000	2000	
Residual capacity with hooked-on side shift at max heigth	kg	4400			3000	1600	250
Height at max capacity	mm	2500	4000	4000	3700	5500	2500
Height at max capacity with hooked-on sideshift	mm	3500			3700	3700	3200



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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