Technical sheet :

## **M 50-2 D ST5**



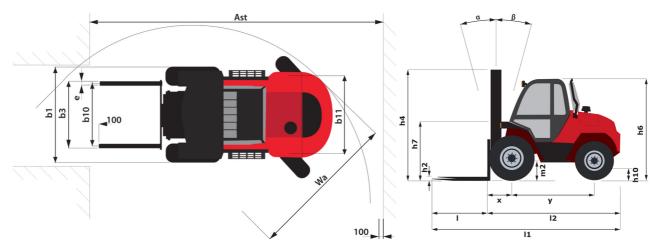


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (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	
.5.2	Number of drive wheels	
3.6	Front wheel gauge	
3.7	Rear wheel gauge	
5.7	Dimensions	
1.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	
i.7	Seat height/stand height	
.19		
	Overall length	
.20	Length to face of forks	
.21	Overall width	
.22	Forks section x width x length	
.23	Fork carriage ISO 2328 (class/form) A/B	
.24	Fork carriage width	
.31	Ground clearance below mast	
.32	Ground clearance at centre of wheelbase	
.33	Aisle width for 1000 x 1200 pallet widthways	
34	Aisle width for 800 x 1200 pallet lengthways	
.35	Turning radius	
	Performances	
5.1	Travel speed (laden / unladen)	
.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden)	
5.7	Gradeability (laden)	
10	Service brake	
	Transmission type	
	Engine	
.1	Engine brand / model / norm	
.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
3.2	Working hydraulic pressure for attachments	
3.3	Oil flow rate for attachments	

## M 50-2 D STS Created on August 12, 2025 at 2:40 PM 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
	Draumatia
	Pneumatic 18-19,5 18PR A224
	10-19,5 18PR A224 10R17,5 G291 GY
	2/2
	272
	ے ۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔
	1640 mm
б*	2440 mm / 2440 mm
	1407 mm
	4948 mm
	3748 mm
	2057 mm
1	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
	6900 daN
	51 %
	Hydraulic
	Torque converter
	Deutz / TCD 2,9 / Stage V
	55 kW
	2300 rpm
	4 - 2925 cm³
	220 har
	230 bar 97 l/min
	78 dB
	/ 0 UD

## 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	۰	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



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