Technical sheet :

M 50-2 D ST5

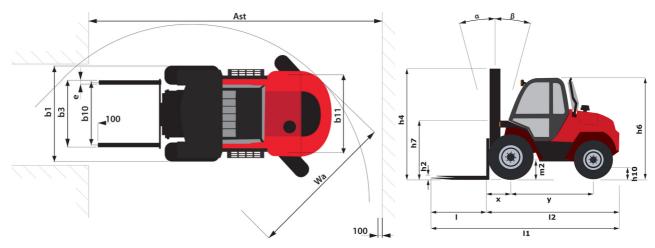




		_
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	ĺ
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
.1	Tires type	
.2	Dimensions of front wheels	
.3	Dimensions of rear wheels	
9.5 8.5	Number of front wheels / rear wheels	
5.2	Number of drive wheels	
5.2 8.6	Front wheel gauge	
3.0 3.7		
3.7	Rear wheel gauge	
4 7	Dimensions	
1.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	
.8	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	
i.1	Travel speed (laden / unladen)	
i.2	Lifting speed (laden / unladen)	
.3	Lowering speed (laden / unladen)	
.5	Drawbar pull (Laden)	
.7	Gradeability (laden)	
10	Service brake	
	Engine	
.2	Engine power according to ISO 1585	
.1	Engine brand / model / norm	
.2	Engine power according to ISO 1585	
.2	Rated speed	
7.4	•	
.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
.2	Working hydraulic pressure for attachments	
.3	Oil flow rate for attachments	
4	Sound level at the driver's ear according to DIN 12 053	

M 50-2 D ST5	Created on 9 May 2024 at 19:32:52 UTC
	Metric
	MANITOU
	M 50-2 D ST5
	Diesel
	Seated
Q	5000 kg
С	600 mm
x	773 mm
у	2060 mm
	8275 kg
	11615 kg / 1660 kg
	3285 kg / 4990 kg
	Pneumatic
	18-19,5 18PR A224
	10R17,5 G291 GY
	2 / 2
	2
b10	1600 mm
b11	1640 mm
h6 / h6+	2440 mm / 2440 mm
h6 / h6* h7	1407 mm
11	4948 mm
12	3748 mm
b1	2057 mm
s/e/l	60 mm x 150 mm / 1200 mm
57671	4A
b3	1670 mm
m1	250 mm
m2	377 mm
Ast	5640 mm
Ast	5640 mm
Wa	3465 mm
	22 km/h / 22 km/h
	0.40 m/s / 0.40 m/s
	0.50 m/s / 0.40 m/s
	6900 daN
	51 %
	Hydraulic
	55 kW
	Deutz / TCD 2,9 / Stage V
	55 kW
	2300 rpm
	4 - 2925 cm ³
	230 bar
	97 l/min
	78 dB

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
Mast/fork carriage tilt, forward	٥	15	15	15	15	15	15
Mast/fork carriage tilt, backward	٥	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
Mast/fork carriage tilt, forward °		15	15	15	10	10	10
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	3700	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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