Technical sheet :

M 40-2 D ST5





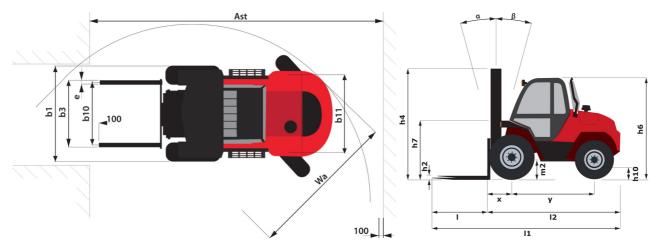
1 40-2 D ST 5	Created on August 1	2, 2025 at 1	0:49 PM UTC
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M

		M 40-2 D
	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	
3.5.2	Number of drive wheels	
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	h7
4.19	Overall length	1
4.20	Length to face of forks	12
4.21	Overall width	b1
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	b3
4.31	Ground clearance below mast	m
4.32	Ground clearance at centre of wheelbase	mź
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	Wa
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden)	
5.10	Service brake	
	Transmission type	
	Engine	
7.1	Engine brand / model / norm	
7.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	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	

0315	Cleated Off August 12, 2023 at 10.49 PM OTC
	Metric
	MANITOU
	M 40-2 D ST5
	Diesel
	Seated
Q	4000 kg
С	500 mm
x	763 mm
у	2060 mm
	FVD 37
	6915 kg
	9075 kg / 1840 kg
	2625 kg / 4290 kg
	Pneumatic
	18-19,5 18PR A224
	10R17,5 G291 GY
	2 / 2
	2
b10	1600 mm
b11	1640 mm
() ()	0440 mm / 0440 mm
6 / h6* h7	2440 mm / 2440 mm 1407 mm
n/ 1	4858 mm
12	3658 mm
b1	2057 mm
/e/l	150 mm x 150 mm / 1200 mm
/ 0 / 1	3A
b3	1670 mm
m1	250 mm
m2	377 mm
Ast	5560 mm
Ast	5560 mm
Wa	3395 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
	Hydraulic
	Torque converter
	Deutz / TCD 2,9 / Stage V
	55 kW
	2300 rpm
	4 - 2925 cm³
	210 bar
	97 l/min
	78 dB

M 40-2 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	3500	3700	4000	4500	5000
Residual capacity at max height	kg	4000	4000	4000	4000	4000	4000
Residual capacity with hooked-on side shift at max heigth	kg	4000	4000	4000	4000	3900	3600
Height at max capacity	mm	3300	3500	3700	4000	4500	5000
Height at max capacity with hooked-on sideshift	mm	3300	3500	3700	4000	4200	4000

Free Lift Triplex (FLT)		FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	٥	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	4000	4000	3000		2500	
Residual capacity with hooked-on side shift at max heigth	kg		3650	3650		2500	
Height at max capacity	mm	4300	4500	4200	2500	4500	2500
Height at max capacity with hooked-on sideshift	mm		3500	4200		3300	



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