Technical sheet :

M 40-2 D ST5





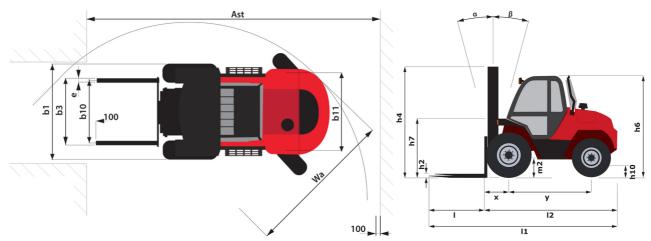
	Technical characteristics	
1.1	Manufacturer	
1.1	Model Name	
1.2	Power source	
1.3	Operator type	
1.4	Max. capacity	Q
1.5	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	x
1.0	Wheelbase	
1.9	Wight	у
	Standard mast reference of the machine	
2.1	Service weight	
2.1	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axle (Unladen) / rear axle (Unladen) Weight on front axle (Unladen) / rear axle (Unladen)	
2.3	Wheels	
3.1	Tires type	
3.1	Dimensions of front wheels	
3.2	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
3.0		b10
3./	Rear wheel gauge Dimensions	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*
4.7	Seat height/stand height	h7
4.0	Overall length	17
4.19	Length to face of forks	12
4.20	Overall width	b1
4.21	Forks section x width x length	s/e/l
4.22	Fork carriage ISO 2328 (class/form) A/B	5/8/1
4.23	Fork carriage width	b3
4.24	Ground clearance below mast	m1
4.31	Ground clearance at centre of wheelbase	m2
4.32	Aisle width for 1000 x 1200 pallet widthways	Ast
4.33	Aisle width for 800 x 1200 pallet lengthways	Ast
4.34	Tuming radius	Wa
4.55	Performances	Wa
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	
5.10	Transmission type	
7.1	Engine brand / model / norm	
7.1	I.C. Engine power rating	
7.2	Rated speed	
7.3	Number of cylinders / Capacity of cylinders	
7.4	Miscellaneous	
8.2	Working hydraulic pressure for attachments	
8.2	Working hydraulic pressure for attachments Oil flow rate for attachments	
8.3		
0.4	Sound level at the driver's ear according to DIN 12 053	

3	
Metric	
MANITOU	
M 40-2 D ST5	
Diesel	
Seated	
4000 kg	
500 mm	
763 mm	
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	
1600 mm	
1640 mm	
2440 mm / 2440 mm	
1407 mm	
4858 mm	
3658 mm	
2057 mm	
150 mm x 150 mm / 1200 mm	
3A	
1670 mm	
250 mm	
377 mm	
5560 mm	
5560 mm	
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 2000 255 kW 2300 rpm 4 - 2925 cm³ 210 bar 97 1/min 78 dB

M 40-2 D ST5 Created on August 11, 2025 at 3:10 AM UTC

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
a - 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	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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