Technical sheet :

M 40-4 D ST5

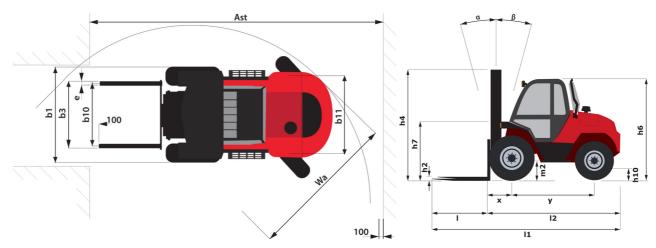




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	(
1.6	Load center of gravity	(
1.8	Load distance, centre of drive axle to fork)
1.9	Wheelbase	
	Weight	
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front 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	bʻ
3.7	Rear wheel gauge	b
	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	
4.20	Length to face of forks	1:
4.21	Overall width	b
4.22	Forks section x width x length	s /
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	А
4.34	Aisle width for 800 x 1200 pallet lengthways	A
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 / Unladen)	
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	

ST5	Created on September 10, 2025 at 4:08 AM UTC
	Metric
	MANITOU
	M 40-4 D ST5
	Diesel
	Seated
Q	4000 kg
с	500 mm
х	763 mm
у	2120 mm
	FVD 37
	6965 kg
	9010 kg / 1955 kg
	2625 kg / 4340 kg
	Pneumatic
	18-22,5 MPT-06
	340/80 R18 XMCL
	2 / 2
	4
b10	1620 mm
b11	1740 mm
6 / h6*	2486 mm / 2486 mm
h7	1455 mm
1	4858 mm
12	3658 mm
b1	2080 mm
/ e / l	50 mm x 150 mm / 1200 mm
	3A
b3	1670 mm
m1	300 mm
m2	426 mm
Ast	6732 mm
Ast	6732 mm
Wa	4570 mm
	10 km/h / 22 km/h
	0.40 m/s / 0.40 m/s
	0.50 m/s / 0.40 m/s
	11000 daN / 6600 daN
	Hydraulic
	Torque converter
	Deutz / TCD 2,9 / Stage V
	55 kW
	2300 pm
	4 - 2925 cm³
	210 bor
	210 bar 97 I/min
	76 dB
	70 00

M 40-4 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	2670	2770	2870	3020	3270	3520
h3 - Mast lifting height	mm	3300	3500	3700	4000	4500	5000
Residual capacity at max height	kg	4000	4000	4000	4000		
Residual capacity with hooked-on side shift at max heigth	kg	4000	4000	4000	4000		
Height at max capacity	mm	3300	3500	3700	4000	2500	2500
Height at max capacity with hooked-on sideshift	mm	3300	3500	3700	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
$\boldsymbol{\beta}$ - Mast/fork carriage tilt, backward	٥	15	15	15	15	15	15
h1 - Mast lowered height	mm	2470	2545	2605	2720	2870	3045
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				
Residual capacity with hooked-on side shift at max heigth	kg		3800		3100	2000	
Height at max capacity	mm	4300	4500	2500	2500	2500	2500
Height at max capacity with hooked-on sideshift	mm		4000		3700	3700	



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