Technical sheet:

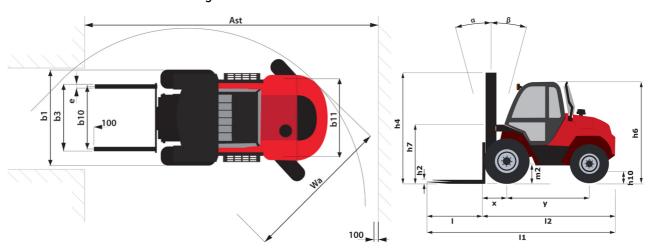
M 30-2 D ST5





		M 30-2 D ST5	Created on August 12, 2025 at 5:44 PM UTC
	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		M 30-2 D ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	X	747 mm
1.9	Wheelbase	у	1995 mm
	Weight		
	Standard mast reference of the machine		FVD 37
2.1	Service weight		5895 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7490 kg / 1405 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2155 kg / 3740 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		14,5R20 18PR MPT80
3.3	Dimensions of rear wheels		10R17,5 G291 GY
3.5	Number of front wheels / rear wheels		2/2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1550 mm
3.7	Rear wheel gauge	b11	1644 mm
3.7	Dimensions	511	1044 11111
4.7	Height of overhead guard (cabin)	h6	2450 mm
4.8	Seat height/stand height	h7	1420 mm
4.19	Overall length	11	4701 mm
4.19	Length to face of forks	12	3501 mm
4.21	Overall width	b1	1923 mm
4.21		s / e / l	40 mm x 125 mm / 1200 mm
4.22	Forks section x width x length Fork carriage ISO 2328 (class/form) A/B	57671	3A
4.23		b3	1470 mm
4.24	Fork carriage width Ground clearance below mast	m1	406 mm
4.31	Ground clearance below mast Ground clearance at centre of wheelbase	m2	390 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5360 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5360 mm
4.35	Turning radius	Wa	3220 mm
F 1	Performances		22 km/h / 22 km/h
5.1	Travel speed (laden / unladen)		22 km/h / 22 km/h
5.2	Lifting speed (laden / unladen)		0.60 m/s / 0.60 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.5	Drawbar pull (Laden)		5600 daN
5.7	Gradeability (laden)		62 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model / norm		Deutz / TCD 2,9 / Stage V
7.2	I.C. Engine power rating		55 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		185 bar
8.3	Oil flow rate for attachments		97 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		78 dB

M 30-2 D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	۰
β - Mast/fork carriage tilt, backward	۰
h1 - Mast lowered height	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with hooked-on side shift at max heigth	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

FVD 37	FVD 45
6	6
12	12
2696	3136
3700	4500
4626	4626
3000	3000
3000	2600
3700	4500
3700	4100

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
α - Mast/fork carriage tilt, forward °		6	6	6
β - Mast/fork carriage tilt, backward		12	12	12
h1 - Mast lowered height	mm	2436	2696	3386
h2 - Mast free lift	mm	1580	1840	2530
h3 - Mast lifting height	mm	4300	5000	6500
h4 - Mast extended height	mm	4626	4626	4626
Residual capacity at max height	kg	2750	1600	
Residual capacity with hooked-on side shift at max heigth	kg	2750	1600	
Height at max capacity	mm	4000	4000	2500
Height at max capacity with hooked-on sideshift	mm	4000	4000	

Full Visibility Triplex (FVT)		FVT 55	FVT 70
α - Mast/fork carriage tilt, forward	٠	6	6
β - Mast/fork carriage tilt, backward	٠	10	10
h1 - Mast lowered height	mm	2966	3636
h3 - Mast lifting height	mm	5500	7000
h4 - Mast extended height	mm	4626	4626
Residual capacity at max height	kg	1600	
Residual capacity with hooked-on side shift at max heigth	kg	1600	
Height at max capacity	mm	4300	
Height at max capacity with hooked-on sideshift	mm	4000	





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