Technical sheet:

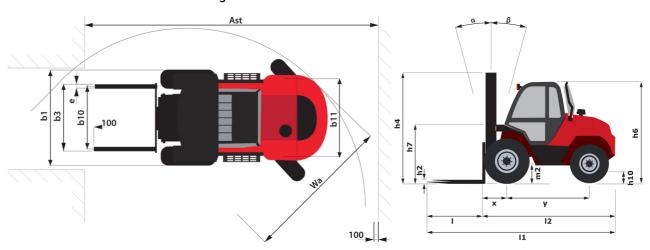
M 70-2 H D ST5





		M 70-2 H D ST 5 U	eated on 13 May 2024 at 20:32:13 UT
	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		M 70-2 H D ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	7000 kg
1.6	Load center of gravity	C	600 mm
1.8	Load distance, centre of drive axle to fork	X	803 mm
1.9	Wheelbase	у	2493 mm
	Weight		
	Standard mast reference of the machine		FVD 40
2.1	Service weight		9880 kg
2.2	Weight on front axle (laden) / rear axle (laden)		14954 kg / 1926 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		4040 kg / 5840 kg
2.5	Wheels		4040 kg / 3040 kg
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		18R19.5 8T N20XF
3.3	Dimensions of rear wheels		265/70R19.5 6T P30HT3
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6		b10	1700 mm
3.7	Front wheel gauge	b11	1545 mm
3.7	Rear wheel gauge Dimensions	DII	1545 111111
4.7	Height of overhead guard (cabin)	h6	2475 mm
		h7	1485 mm
4.8 4.19	Seat height/stand height Overall length	II7 I1	5700 mm
	•		
4.20	Length to face of forks	12	4200 mm
4.21	Overall width	b1	2155 mm
4.22	Forks section x width x length	s / e / l	70 mm x 150 mm / 1500 mm
4.23	Fork carriage ISO 2328 (class/form) A/B	LO.	4A
4.24	Fork carriage width	b3	1750 mm
4.31	Ground clearance below mast	m1	300 mm
4.32	Ground clearance at centre of wheelbase	m2	410 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	6703 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6703 mm
4.35	Turning radius	Wa	4200 mm
	Performances		
5.1	Travel speed (laden / unladen)		11 m/s / 23 km/h
5.2	Lifting speed (laden / unladen)		0.32 m/s / 0.32 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.34 m/s
5.5	Drawbar pull (Laden / Unladen)		8060 daN / 2930 daN
5.7	Gradeability (laden / unladen)		45 % / 27 %
5.10	Service brake		Hydraulic
	Engine		
7.2	Engine power according to ISO 1585		55.40 kW
7.1	Engine brand / model / norm		Deutz / TD 3,6 / Stage V
7.2	Engine power according to ISO 1585		55.40 kW
7.3	Rated speed		2500 rpm
7.4	Number of cylinders		4
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		230 bar
8.3	Oil flow rate for attachments		80 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		78 dB

M 70-2 H D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 36	FVD 40	FVD 45
Mast/fork carriage tilt, forward	۰	15	15	15
Mast/fork carriage tilt, backward	۰	15	15	15
h1 - Mast lowered height	mm	3145	3345	3595
h3 - Mast lifting height	mm	3600		4500
h4 - Mast extended height	mm	4960	5360	5860
Residual capacity at max height	kg	7000	7000	5000
Residual capacity with hooked-on side shift at max heigth	kg	6300	6350	3850
Height at max capacity	mm	3600	4000	4000





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