Technical sheet:

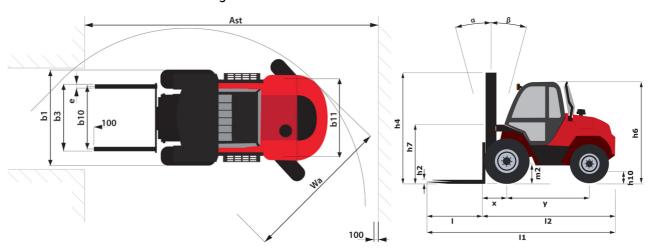
M 70-2 H D ST5





		M 70-2 H D ST 5 U	M 70-2 H D ST5 Created on August 1, 2025 at 6:03 PM 010		
	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		
11.7	Weight		2170 11111		
	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 (Indeh) / rear axle (Indeh)		4040 kg / 5840 kg		
2.3	Wheels		4040 kg / 3640 kg		
3.1			Inflatable		
	Tires type Dimensions of front wheels		18R19.5 8T N20XF		
3.2					
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	140	2		
3.6	Front wheel gauge	b10	1700 mm		
3.7	Rear wheel gauge	b11	1545 mm		
4.7	Dimensions		0.475		
4.7	Height of overhead guard (cabin)	h6	2475 mm		
4.8	Seat height/stand height	h7	1485 mm		
4.19	Overall length	l1	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		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		
	Transmission type		Hydrostatic		
	Engine				
7.1	Engine brand / model / norm		Deutz / TD 3,6 / Stage V		
7.2	I.C. Engine power rating		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		
7.1 7.2 7.3 7.4 8.2 8.3	Gradeability (laden / unladen) Service brake Transmission type Engine Engine Engine brand / model / norm 1.C. Engine power rating Rated speed Number of cylinders Miscellaneous Working hydraulic pressure for attachments Oil flow rate for attachments		Hydraulic Hydrostatic Deutz / TD 3,6 / Stage V 55.40 kW 2500 rpm 4 230 bar 80 l/min		

M 70-2 H D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 36	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	15	15	15
β - 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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