

Technical sheet :

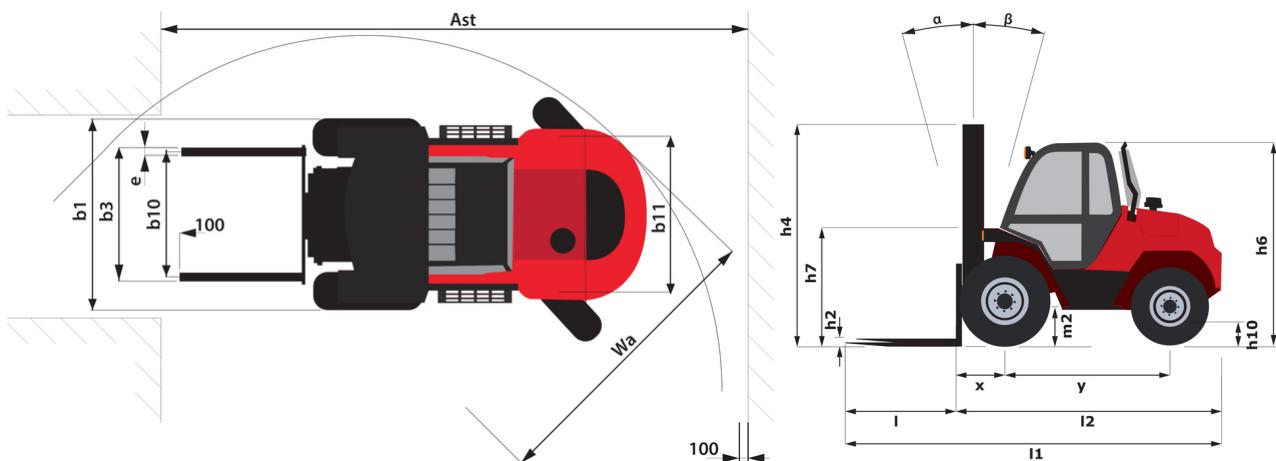
# M 70-2 H D ST5



 **MANITOU**  
HANDLING YOUR WORLD

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	7000 kg	
1.6	Load center of gravity	600 mm	
1.8	Load distance, centre of drive axle to fork	803 mm	
1.9	Wheelbase	2493 mm	
Weight		FVD 40	
2.1	Standard mast reference of the machine	9880 kg	
2.2	Service weight	14954 kg / 1926 kg	
2.3	Weight on front axle (laden) / rear axle (laden)	4040 kg / 5840 kg	
Wheels		Inflatable	
3.1	Tires type	18R19.5 8T N20XF	
3.2	Dimensions of front wheels	265/70R19.5 6T P30HT3	
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	2	
3.6	Front wheel gauge	1700 mm	
3.7	Rear wheel gauge	1545 mm	
Dimensions		2475 mm	
4.7	Height of overhead guard (cabin)	1485 mm	
4.8	Seat height/stand height	5700 mm	
4.19	Overall length	4200 mm	
4.20	Length to face of forks	2155 mm	
4.21	Overall width	70 mm x 150 mm / 1500 mm	
4.22	Forks section x width x length	4A	
4.23	Fork carriage ISO 2328 (class/form) A/B	1750 mm	
4.24	Fork carriage width	300 mm	
4.31	Ground clearance below mast	410 mm	
4.32	Ground clearance at centre of wheelbase	6703 mm	
4.33	Aisle width for 1000 x 1200 pallet widthways	6703 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	4200 mm	
4.35	Turning radius		
Performances		11 m/s / 23 km/h	
5.1	Travel speed (laden / unladen)	0.32 m/s / 0.32 m/s	
5.2	Lifting speed (laden / unladen)	0.40 m/s / 0.34 m/s	
5.3	Lowering speed (laden / unladen)	8060 daN / 2930 daN	
5.5	Drawbar pull (Laden / Unladen)	45 % / 27 %	
5.7	Gradeability (laden / unladen)	Hydraulic	
5.10	Service brake	Hydrostatic	
Transmission type		Deutz / TD 3,6 / Stage V	
7.1	Engine brand / model / norm	75 Hp/55.40 kW	
7.2	Engine power (Hp / kW)	2500 rpm	
7.3	Rated speed	4	
7.4	Number of cylinders		
Miscellaneous		230 bar	
8.2	Working hydraulic pressure for attachments	80 l/min	
8.3	Oil flow rate for attachments	78 dB	
8.4	Sound level at the driver's ear according to DIN 12 053		

## 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	°	15	15
β - Mast/fork carriage tilt, backward	°	15	15
h1 - Mast lowered height	mm	3145	3345
h3 - Mast lifting height	mm	3600	4500
h4 - Mast extended height	mm	4960	5860
Residual capacity at max height	kg	7000	5000
Residual capacity with hooked-on side shift at max height	kg	6300	3850
Height at max capacity	mm	3600	4000



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