

Technical sheet :

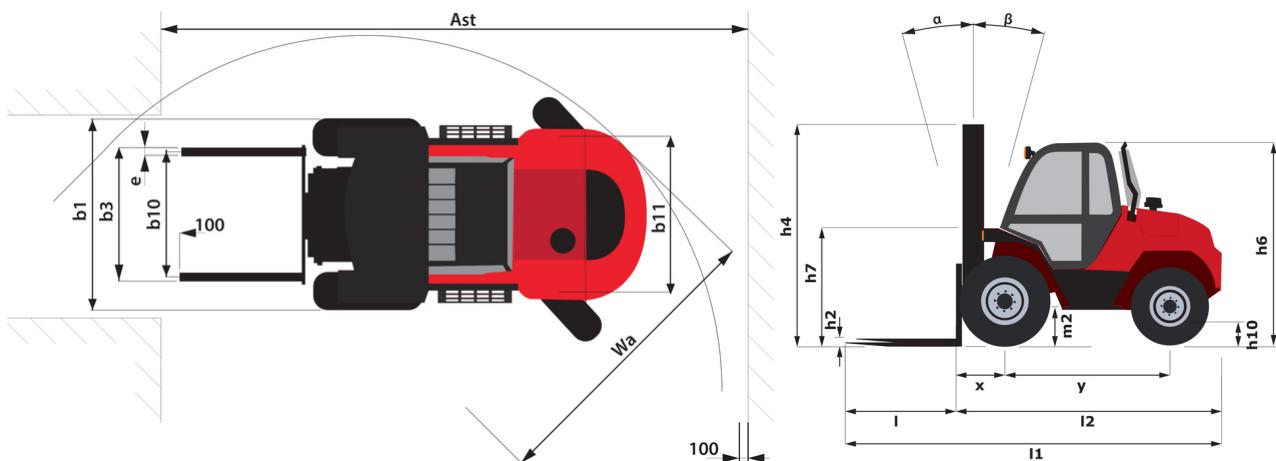
M 70-2 H D ST5



 **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			
2.1	Standard mast reference of the machine	FVD 40	
2.2	Service weight	9880 kg	
2.3	Weight on front axle (laden) / rear axle (laden)	14954 kg / 1926 kg	
	Weight on front axle (Unladen) / rear axle (Unladen)	4040 kg / 5840 kg	
Wheels			
3.1	Tires type	Inflatable	
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	Front wheel gauge	1700 mm	
3.7	Rear wheel gauge	1545 mm	
Dimensions			
4.7	Height of overhead guard (cabin)	2475 mm	
4.8	Seat height/stand height	1485 mm	
4.19	Overall length	5700 mm	
4.20	Length to face of forks	4200 mm	
4.21	Overall width	2155 mm	
4.22	Forks section x width x length	70 mm x 150 mm / 1500 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	4A	
4.24	Fork carriage width	1750 mm	
4.31	Ground clearance below mast	300 mm	
4.32	Ground clearance at centre of wheelbase	410 mm	
4.33	Aisle width for 1000 x 1200 pallet widthways	6703 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	6703 mm	
4.35	Turning radius	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	Engine power (Hp / kW)	75 Hp/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
α - Mast/fork carriage tilt, forward	°	15	15	15
β - Mast/fork carriage tilt, backward	°	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 height	kg	6300	6350	3850
Height at max capacity	mm	3600	4000	4000



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