

Technical sheet :

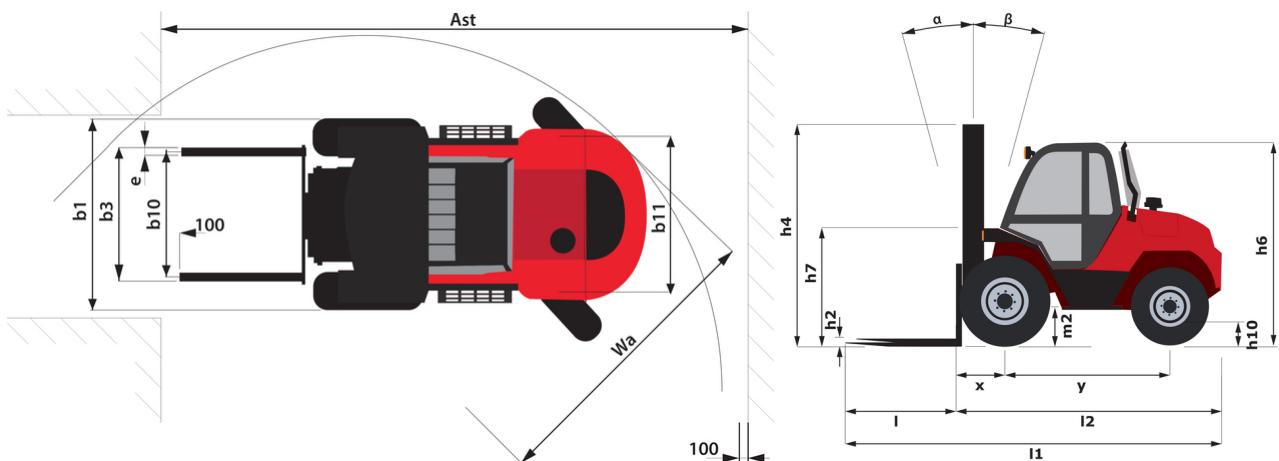
# M 70-2 H D ST5



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Imperial	
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	15432 lb	
1.6	Load center of gravity	24 in	
1.8	Load distance, centre of drive axle to fork	32 in	
1.9	Wheelbase	98 in	
Weight		FVD 40	
2.1	Standard mast reference of the machine	21782 lb	
2.2	Service weight	32968 lb / 4246 lb	
2.3	Weight on front axle (laden) / rear axle (laden)	8907 lb / 12875 lb	
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	67 in	
3.7	Rear wheel gauge	61 in	
Dimensions		97 in	
4.7	Height of overhead guard (cabin)	58 in	
4.8	Seat height/stand height	224 in	
4.19	Overall length	165 in	
4.20	Length to face of forks	85 in	
4.21	Overall width	3 in x 6 in / 59 in	
4.22	Forks section x width x length	4A	
4.23	Fork carriage ISO 2328 (class/form) A/B	69 in	
4.24	Fork carriage width	12 in	
4.31	Ground clearance below mast	16 in	
4.32	Ground clearance at centre of wheelbase	264 in	
4.33	Aisle width for 1000 x 1200 pallet widthways	264 in	
4.34	Aisle width for 800 x 1200 pallet lengthways	165 in	
4.35	Turning radius		
Performances		36 ft/s / 14 mph	
5.1	Travel speed (laden / unladen)	1 ft/s / 1 ft/s	
5.2	Lifting speed (laden / unladen)	1 ft/s / 1 ft/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		3336 PSI	
8.2	Working hydraulic pressure for attachments	21 US gpm	
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	in	123.8	131.7
h3 - Mast lifting height	in	141.7	177.2
h4 - Mast extended height	in	195.3	230.7
Residual capacity at max height	lb	15432	11023
Residual capacity with hooked-on side shift at max height	lb	13889	8488
Height at max capacity	in	141.7	157.5



# **MANITOU** HANDLING YOUR WORLD

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