

Technical sheet :

# M 70-2 H D ST5

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 **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	Q	15432 lb
1.6	Load center of gravity	c	24 in
1.8	Load distance, centre of drive axle to fork	x	32 in
1.9	Wheelbase	y	98 in
	<b>Weight</b>		
	Standard mast reference of the machine		FVD 40
2.1	Service weight		21782 lb
2.2	Weight on front axle (laden) / rear axle (laden)		32968 lb / 4246 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		8907 lb / 12875 lb
	<b>Wheels</b>		
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	Front wheel gauge	b10	67 in
3.7	Rear wheel gauge	b11	61 in
	<b>Dimensions</b>		
4.7	Height of overhead guard (cabin)	h6	97 in
4.8	Seat height/stand height	h7	58 in
4.19	Overall length	l1	224 in
4.20	Length to face of forks	l2	165 in
4.21	Overall width	b1	85 in
4.22	Forks section x width x length	s / e / l	3 in x 6 in / 59 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	69 in
4.31	Ground clearance below mast	m1	12 in
4.32	Ground clearance at centre of wheelbase	m2	16 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	264 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	264 in
4.35	Turning radius	Wa	165 in
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		36 ft/s / 14 mph
5.2	Lifting speed (laden / unladen)		1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		1 ft/s / 1 ft/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
	<b>Engine</b>		
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
	<b>Miscellaneous</b>		
8.2	Working hydraulic pressure for attachments		3336 PSI
8.3	Oil flow rate for attachments		21 US gpm
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	in	123.8	131.7	141.5
h3 - Mast lifting height	in	141.7		177.2
h4 - Mast extended height	in	195.3	211	230.7
Residual capacity at max height	lb	15432	15432	11023
Residual capacity with hooked-on side shift at max heighth	lb	13889	13999	8488
Height at max capacity	in	141.7	157.5	157.5



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