Technical sheet :

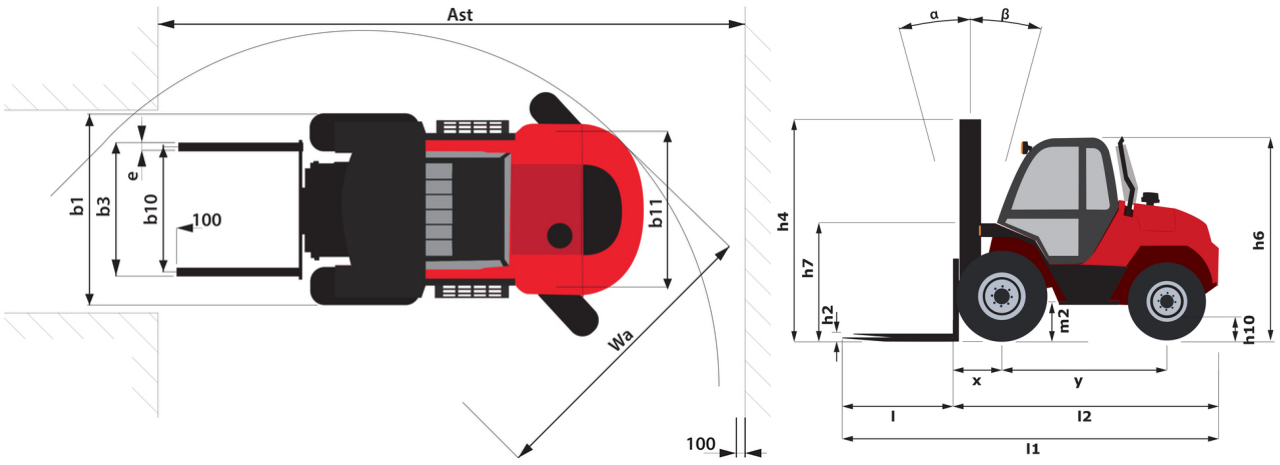
M 30-2 D ST5



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		MANITOU
1.2	Model Name		M 30-2 D ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	6614 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	29 in
1.9	Wheelbase	y	79 in
	Weight		
	Standard mast reference of the machine		FVD 37
2.1	Service weight		12996 lb
2.2	Weight on front axle (laden) / rear axle (laden)		16513 lb / 3097 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		4751 lb / 8245 lb
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		14,5R20 18PR MPT80
3.3	Dimensions of rear wheels		10R17,5 G291 GY
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	61 in
3.7	Rear wheel gauge	b11	65 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	96 in
4.8	Seat height/stand height	h7	56 in
4.19	Overall length	l1	185 in
4.20	Length to face of forks	l2	138 in
4.21	Overall width	b1	76 in
4.22	Forks section x width x length	s / e / l	2 in x 5 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	58 in
4.31	Ground clearance below mast	m1	16 in
4.32	Ground clearance at centre of wheelbase	m2	15 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	211 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	211 in
4.35	Turning radius	Wa	127 in
	Performances		
5.1	Travel speed (laden / unladen)		14 mph / 14 mph
5.2	Lifting speed (laden / unladen)		2 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		1 ft/s / 1 ft/s
5.5	Drawbar pull (Laden)		5600 daN
5.7	Gradeability (laden)		62 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model / norm		Deutz / TCD 2,9 / Stage V
7.2	Engine power (Hp / kW)		75 Hp/55 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 178 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2683 PSI
8.3	Oil flow rate for attachments		26 US gpm
8.4	Sound level at the driver's ear according to DIN 12 053		78 dB

M 30-2 D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 37	FVD 45
α - Mast/fork carriage tilt, forward	°	6	6
β - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	in	106.1	123.5
h3 - Mast lifting height	in	145.7	177.2
h4 - Mast extended height	in	182.1	182.1
Residual capacity at max height	lb	6614	6614
Residual capacity with hooked-on side shift at max heigth	lb	6614	5732
Height at max capacity	in	145.7	177.2
Height at max capacity with hooked-on sideshift	in	145.7	161.4

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
α - Mast/fork carriage tilt, forward	°	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	95.9	106.1	133.3
h2 - Mast free lift	in	62.2	72.4	99.6
h3 - Mast lifting height	in	169.3	196.9	255.9
h4 - Mast extended height	in	182.1	182.1	182.1
Residual capacity at max height	lb	6063	3527	
Residual capacity with hooked-on side shift at max heigth	lb	6063	3527	
Height at max capacity	in	157.5	157.5	98.4
Height at max capacity with hooked-on sideshift	in	157.5	157.5	

Full Visibility Triplex (FVT)		FVT 55
α - Mast/fork carriage tilt, forward	°	6
β - Mast/fork carriage tilt, backward	°	10
h1 - Mast lowered height	in	116.8
h3 - Mast lifting height	in	216.5
h4 - Mast extended height	in	182.1
Residual capacity at max height	lb	3527
Residual capacity with hooked-on side shift at max heigth	lb	3527
Height at max capacity	in	169.3
Height at max capacity with hooked-on sideshift	in	157.5

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