

Technical sheet :

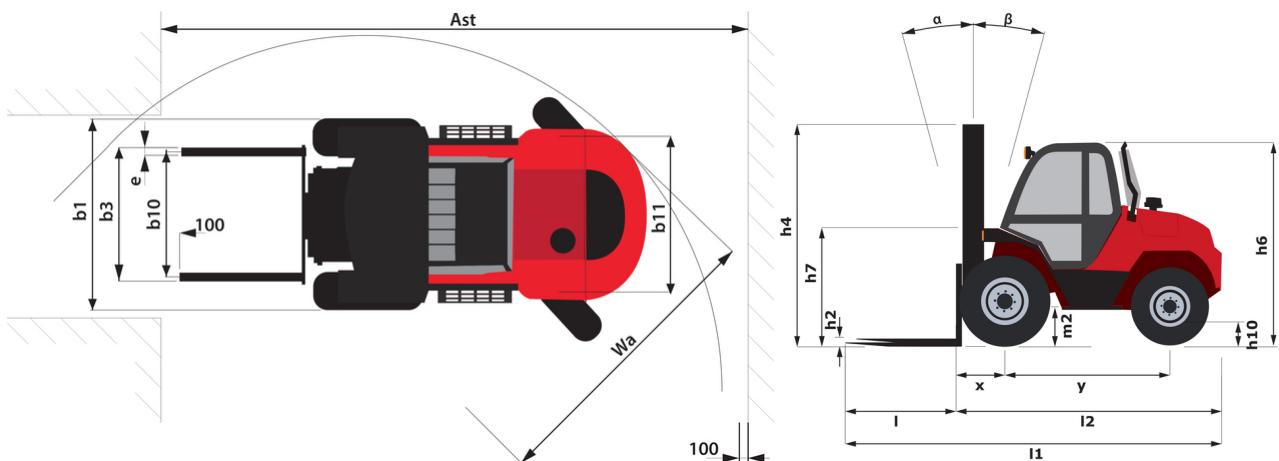
M 30-2 D ST5



 **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	6614 lb	
1.6	Load center of gravity	20 in	
1.8	Load distance, centre of drive axle to fork	29 in	
1.9	Wheelbase	79 in	
Weight		FVD 37	
2.1	Standard mast reference of the machine	12996 lb	
2.2	Service weight	16513 lb / 3097 lb	
2.3	Weight on front axle (laden) / rear axle (laden)	4751 lb / 8245 lb	
Wheels		Pneumatic	
3.1	Tires type	14,5R20 18PR MPT80	
3.2	Dimensions of front wheels	10R17,5 G291 GY	
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	61 in	
3.7	Rear wheel gauge	65 in	
Dimensions		96 in	
4.7	Height of overhead guard (cabin)	56 in	
4.8	Seat height/stand height	185 in	
4.19	Overall length	138 in	
4.20	Length to face of forks	76 in	
4.21	Overall width	2 in x 5 in / 47 in	
4.22	Forks section x width x length	3A	
4.23	Fork carriage ISO 2328 (class/form) A/B	58 in	
4.24	Fork carriage width	16 in	
4.31	Ground clearance below mast	15 in	
4.32	Ground clearance at centre of wheelbase	211 in	
4.33	Aisle width for 1000 x 1200 pallet widthways	211 in	
4.34	Aisle width for 800 x 1200 pallet lengthways	127 in	
4.35	Turning radius		
Performances		14 mph / 14 mph	
5.1	Travel speed (laden / unladen)	2 ft/s / 2 ft/s	
5.2	Lifting speed (laden / unladen)	1 ft/s / 1 ft/s	
5.3	Lowering speed (laden / unladen)	5600 daN	
5.5	Drawbar pull (Laden)	62 %	
5.7	Gradeability (laden)	Hydraulic	
5.10	Service brake	Torque converter	
Engine		Deutz / TCD 2,9 / Stage V	
7.1	Engine brand / model / norm	75 Hp/55 kW	
7.2	Engine power (Hp / kW)	2300 rpm	
7.3	Rated speed	4 - 178 in ³	
7.4	Number of cylinders / Capacity of cylinders		
Miscellaneous		2683 PSI	
8.2	Working hydraulic pressure for attachments	26 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 30-2 D ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	in
h3 - Mast lifting height	in
h4 - Mast extended height	in
Residual capacity at max height	lb
Residual capacity with hooked-on side shift at max height	lb
Height at max capacity	in
Height at max capacity with hooked-on sideshift	in

FVD 37	FVD 45
6	6
12	12
106.1	123.5
145.7	177.2
182.1	182.1
6614	6614
6614	5732
145.7	177.2
145.7	161.4

Free Lift Triplex (FLT)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	in
h2 - Mast free lift	in
h3 - Mast lifting height	in
h4 - Mast extended height	in
Residual capacity at max height	lb
Residual capacity with hooked-on side shift at max height	lb
Height at max capacity	in
Height at max capacity with hooked-on sideshift	in

FLT 43	FLT 50	FLT 65
6	6	6
12	12	12
95.9	106.1	133.3
62.2	72.4	99.6
169.3	196.9	255.9
182.1	182.1	182.1
6063	3527	
6063	3527	
157.5	157.5	98.4
157.5	157.5	

Full Visibility Triplex (FVT)	
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	in
h3 - Mast lifting height	in
h4 - Mast extended height	in
Residual capacity at max height	lb
Residual capacity with hooked-on side shift at max height	lb
Height at max capacity	in
Height at max capacity with hooked-on sideshift	in

FVT 55
6
10
116.8
216.5
182.1
3527
3527
169.3
157.5

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