

Technical sheet :

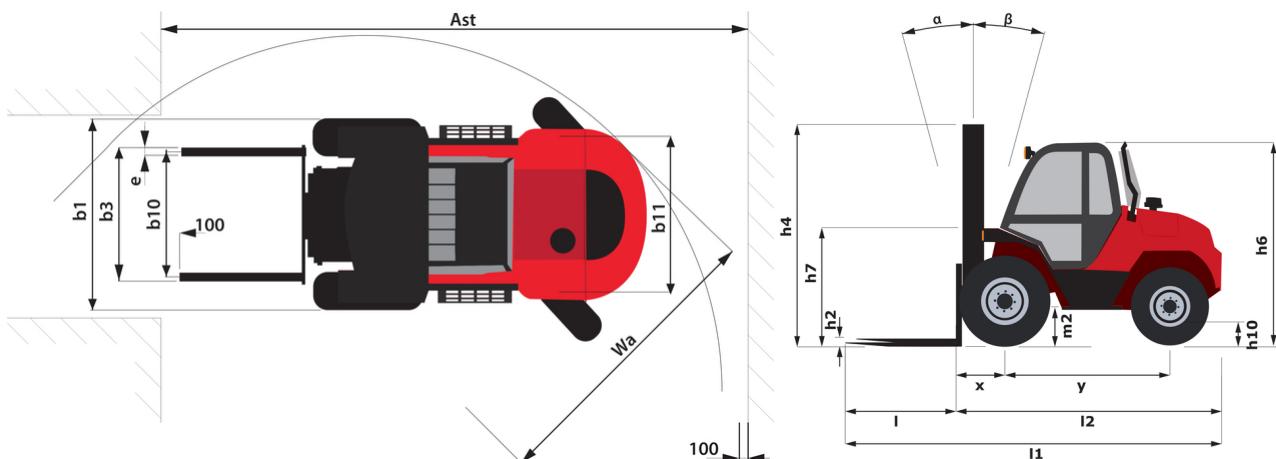
M 30-2 D ST5



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
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	3000 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	747 mm	
1.9	Wheelbase	1995 mm	
Weight		FVD 37	
2.1	Standard mast reference of the machine	5895 kg	
2.2	Service weight	7490 kg / 1405 kg	
2.3	Weight on front axle (laden) / rear axle (laden)	2155 kg / 3740 kg	
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	1550 mm	
3.7	Rear wheel gauge	1644 mm	
Dimensions		2450 mm	
4.7	Height of overhead guard (cabin)	1420 mm	
4.8	Seat height/stand height	4701 mm	
4.19	Overall length	3501 mm	
4.20	Length to face of forks	1923 mm	
4.21	Overall width	40 mm x 125 mm / 1200 mm	
4.22	Forks section x width x length	3A	
4.23	Fork carriage ISO 2328 (class/form) A/B	1470 mm	
4.24	Fork carriage width	406 mm	
4.31	Ground clearance below mast	390 mm	
4.32	Ground clearance at centre of wheelbase	5360 mm	
4.33	Aisle width for 1000 x 1200 pallet widthways	5360 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	3220 mm	
4.35	Turning radius		
Performances		22 km/h / 22 km/h	
5.1	Travel speed (laden / unladen)	0.60 m/s / 0.60 m/s	
5.2	Lifting speed (laden / unladen)	0.40 m/s / 0.40 m/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	
Transmission type		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 - 2925 cm ³	
7.4	Number of cylinders / Capacity of cylinders		
Miscellaneous		185 bar	
8.2	Working hydraulic pressure for attachments	97 l/min	
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	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with hooked-on side shift at max height	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

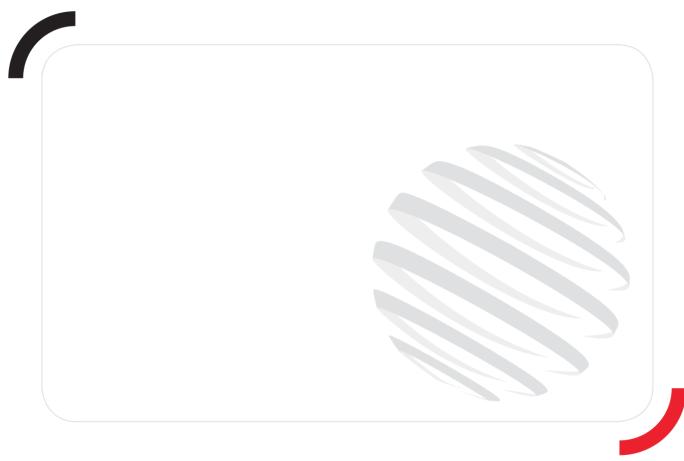
FVD 37	FVD 45
6	6
12	12
2696	3136
3700	4500
4626	4626
3000	3000
3000	2600
3700	4500
3700	4100

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

FLT 43	FLT 50	FLT 65
6	6	6
12	12	12
2436	2696	3386
1580	1840	2530
4300	5000	6500
4626	4626	4626
2750	1600	
2750	1600	
4000	4000	2500
4000	4000	

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

FVT 55
6
10
2966
5500
4626
1600
1600
4300
4000



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