

Technical sheet :

# M 30-2 D ST5

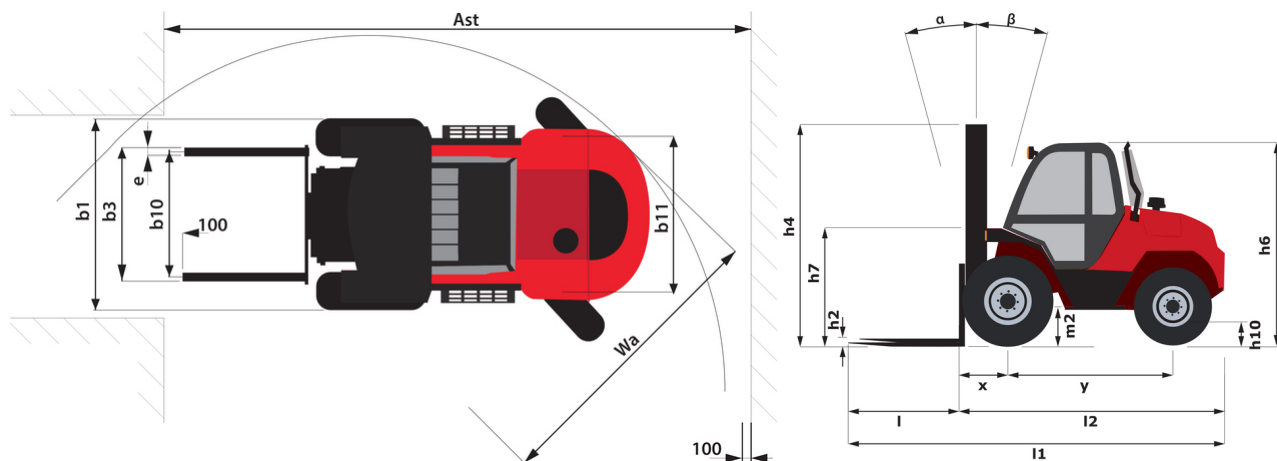
---



 **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	Q	3000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	747 mm
1.9	Wheelbase	y	1995 mm
	<b>Weight</b>		
	Standard mast reference of the machine		FVD 37
2.1	Service weight		5895 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7490 kg / 1405 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2155 kg / 3740 kg
	<b>Wheels</b>		
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	1550 mm
3.7	Rear wheel gauge	b11	1644 mm
	<b>Dimensions</b>		
4.7	Height of overhead guard (cabin)	h6	2450 mm
4.8	Seat height/stand height	h7	1420 mm
4.19	Overall length	l1	4701 mm
4.20	Length to face of forks	l2	3501 mm
4.21	Overall width	b1	1923 mm
4.22	Forks section x width x length	s / e / l	40 mm x 125 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	1470 mm
4.31	Ground clearance below mast	m1	406 mm
4.32	Ground clearance at centre of wheelbase	m2	390 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5360 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5360 mm
4.35	Turning radius	Wa	3220 mm
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		22 km/h / 22 km/h
5.2	Lifting speed (laden / unladen)		0.60 m/s / 0.60 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.5	Drawbar pull (Laden)		5600 daN
5.7	Gradeability (laden)		62 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
	<b>Engine</b>		
7.1	Engine brand / model / norm		Deutz / TCD 2,9 / Stage V
7.2	I.C. Engine power rating		55 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm³
	<b>Miscellaneous</b>		
8.2	Working hydraulic pressure for attachments		185 bar
8.3	Oil flow rate for attachments		97 l/min
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	mm	2696	3136
h3 - Mast lifting height	mm	3700	4500
h4 - Mast extended height	mm	4626	4626
Residual capacity at max height	kg	3000	3000
Residual capacity with hooked-on side shift at max height	kg	3000	2600
Height at max capacity	mm	3700	4500
Height at max capacity with hooked-on sideshift	mm	3700	4100

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	mm	2436	2696	3386
h2 - Mast free lift	mm	1580	1840	2530
h3 - Mast lifting height	mm	4300	5000	6500
h4 - Mast extended height	mm	4626	4626	4626
Residual capacity at max height	kg	2750	1600	
Residual capacity with hooked-on side shift at max height	kg	2750	1600	
Height at max capacity	mm	4000	4000	2500
Height at max capacity with hooked-on sideshift	mm	4000	4000	

Full Visibility Triplex (FVT)		FVT 55	FVT 70
α - Mast/fork carriage tilt, forward	°	6	6
β - Mast/fork carriage tilt, backward	°	10	10
h1 - Mast lowered height	mm	2966	3636
h3 - Mast lifting height	mm	5500	7000
h4 - Mast extended height	mm	4626	4626
Residual capacity at max height	kg	1600	
Residual capacity with hooked-on side shift at max height	kg	1600	
Height at max capacity	mm	4300	
Height at max capacity with hooked-on sideshift	mm	4000	



**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes