

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
Weight			
	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
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	1550 mm
3.7	Rear wheel gauge	b11	1644 mm
Dimensions			
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
Performances			
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
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 - 2925 cm³
Miscellaneous			
8.2	Working hydraulic pressure for attachments		185 bar
8.3	Oil flow rate for attachments		52 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
$\alpha$ - Mast/fork carriage tilt, forward	6	6
$\beta$ - Mast/fork carriage tilt, backward	12	12
h1 - Mast lowered height	2696	3136
h3 - Mast lifting height	3700	4500
h4 - Mast extended height	4626	4626
Residual capacity at max height	3000	3000
Residual capacity with hooked-on side shift at max height	3000	2600
Height at max capacity	3700	4500
Height at max capacity with hooked-on sideshift	3700	4100

Free Lift Triplex (FLT)	FLT 43	FLT 50	FLT 65
$\alpha$ - Mast/fork carriage tilt, forward	6	6	6
$\beta$ - Mast/fork carriage tilt, backward	12	12	12
h1 - Mast lowered height	2436	2696	3386
h2 - Mast free lift	1580	1840	2530
h3 - Mast lifting height	4300	5000	6500
h4 - Mast extended height	4626	4626	4626
Residual capacity at max height	2750	1600	
Residual capacity with hooked-on side shift at max height	2750	1600	
Height at max capacity	4000	4000	2500
Height at max capacity with hooked-on sideshift	4000	4000	

Full Visibility Triplex (FVT)	FVT 55
$\alpha$ - Mast/fork carriage tilt, forward	6
$\beta$ - Mast/fork carriage tilt, backward	10
h1 - Mast lowered height	2966
h3 - Mast lifting height	5500
h4 - Mast extended height	4626
Residual capacity at max height	1600
Residual capacity with hooked-on side shift at max height	1600
Height at max capacity	4300
Height at max capacity with hooked-on sideshift	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