Technical sheet :

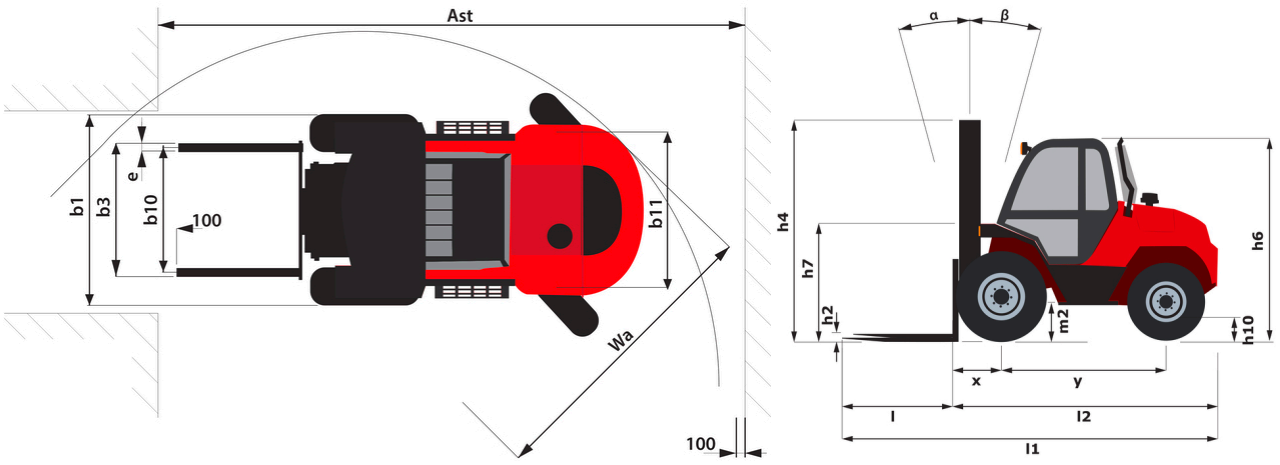
M 30-2



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		M 30-2
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	2120 mm
	Weight		
	Standard mast reference of the machine		FVD 37
2.1	Service weight		6032 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7547 kg / 1485 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2782 kg / 3250 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		14.5R20 18PR MPT80TL
3.3	Dimensions of rear wheels		235/75R17.5 132/130M KM
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	1630 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2495 mm
4.8	Seat height/stand height	h7	1424 mm
4.19	Overall length	l1	4699 mm
4.20	Length to face of forks	l2	3499 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		FEM 3A
4.24	Fork carriage width	b3	1470 mm
4.31	Ground clearance below mast	m1	420 mm
4.32	Ground clearance at centre of wheelbase	m2	387 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5445 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5645 mm
4.35	Turning radius	Wa	3498 m
	Performances		
5.1	Travel speed (laden / unladen)		24 km/h / 24 km/h
5.2	Lifting speed (laden / unladen)		0.57 m/s / 0.57 m/s
5.3	Lowering speed (laden / unladen)		0.49 m/s / 0.37 m/s
5.5	Drawbar pull (Laden)		15415 daN
5.7	Gradeability (laden / unladen)		51 % / 27 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model		Deutz / TCD 2,9
7.2	Engine power (kW)		55 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm³
7.5	Fuel consumption according to VDI cycle		4.47 l/h
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		210 bar
8.3	Oil flow rate for attachments		67 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		79.10 dB

M 30-2 - 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	2710	3150
h3 - Mast lifting height	mm	3700	4500
h4 - Mast extended height	mm	4640	5440
Residual capacity at max height	kg	3000	3000
Height at max capacity	mm	3700	4500

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	2450	2710	3400
h2 - Mast free lift	mm	1580	1840	2530
h3 - Mast lifting height	mm	4300	5000	6500
h4 - Mast extended height	mm	5248	5948	7448
Residual capacity at max height	kg	2750	1600	1100
Height at max capacity	mm	4000	4000	5000

Full Visibility Triplex (FVT)		FVT 55
α - Mast/fork carriage tilt, forward	°	6
β - Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	mm	2980
h3 - Mast lifting height	mm	5500
h4 - Mast extended height	mm	6578
Residual capacity at max height	kg	1600
Height at max capacity	mm	4300

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



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