

Technical sheet :

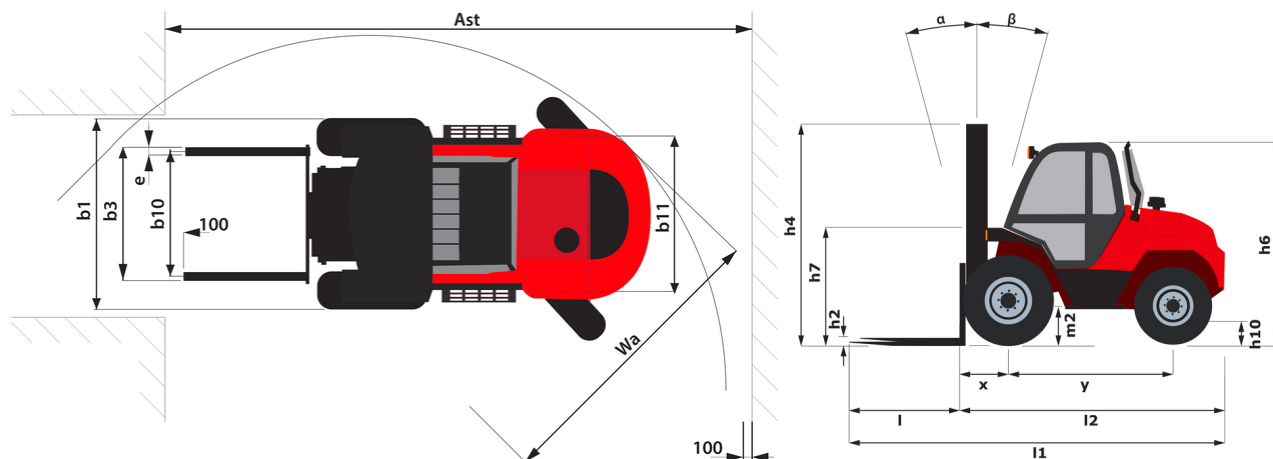
M 70-2



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		M 70-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	7000 kg
1.6	Load center of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	797 mm
1.9	Wheelbase	y	2515 mm
	Weight		
	Standard mast reference of the machine		FVD 40
2.1	Service weight		10082 kg
2.2	Weight on front axle (laden) / rear axle (laden)		14104 kg / 2978 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3216 kg / 6866 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		18R22.5 XF TL 161A8/175A2
3.3	Dimensions of rear wheels		265/70R19.5 HT3 143/141K
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1700 mm
3.7	Rear wheel gauge	b11	1580 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2535 mm
4.8	Seat height/stand height	h7	1464 mm
4.19	Overall length	l1	5637 mm
4.20	Length to face of forks	l2	4137 mm
4.21	Overall width	b1	2156 mm
4.22	Forks section x width x length	s / e / l	70 mm x 150 mm / 1500 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 4A
4.24	Fork carriage width	b3	1750 mm
4.31	Ground clearance below mast	m1	367 mm
4.32	Ground clearance at centre of wheelbase	m2	413 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	1997 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2197 mm
	Performances		
5.1	Travel speed (laden / unladen)		28.80 km/h / 28.80 km/h
5.2	Lifting speed (laden / unladen)		0.29 m/s / 0.29 m/s
5.3	Lowering speed (laden / unladen)		0.45 m/s / 0.33 m/s
5.5	Drawbar pull (Laden)		15780 daN
5.7	Gradeability (laden / unladen)		46 % / 11 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
	Engine		
7.1	Engine brand / model		Deutz / TD 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		5.57 l/h
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		230 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 70-2 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 36	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	15	15	15
β - Mast/fork carriage tilt, backward	12	12	12
h1 - Mast lowered height	3145	3345	3595
h3 - Mast lifting height	3600	4000	4500
h4 - Mast extended height	4960	5360	5860
Residual capacity at max height	7000	7000	5000
Residual capacity with hooked-on side shift at max heighth		6350	3850
Height at max capacity	3600	4000	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



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