

Technical sheet :

# ME 320 US

---



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer		Manitou
1.2	Model Name		ME 320 US
1.3	Power source		Electrical
1.4	Operator type		Seated
1.5	Max. capacity	Q	2000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	355 mm
1.9	Wheelbase	y	1465 mm
Weight			
2.1	Service weight		3470 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4750 kg / 720 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1530 kg / 1940 kg
Wheels			
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		200/50-10
3.3	Dimensions of rear wheels		15x4,5-8
3.5	Number of front wheels / rear wheels		2 / 1
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	910 mm
3.7	Rear wheel gauge	b11	175 mm
Dimensions			
4.7	Height of overhead guard (cabin)	h6	2040 mm
4.8	Seat height/stand height	h7	1000 mm
4.12	Height of towing bar (coupling height)	h10	500 mm
4.19	Overall length	l1	3076 mm
4.20	Length to face of forks	l2	2006 mm
4.21	Overall width	b1	1120 mm
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1070 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1000 mm
4.31	Ground clearance below mast	m1	100 mm
4.32	Ground clearance at centre of wheelbase	m2	110 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3346 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3470 mm
4.35	Turning radius	Wa	1660 mm
Performances			
5.1	Travel speed (laden / unladen)		15 km/h-15 km/h
5.2	Lifting speed (laden / unladen)		0.40 m/s-0.45 m/s
5.3	Lowering speed (laden / unladen)		0.47 m/s-0.42 m/s
5.5	Drawbar pull (Laden / Unladen)		900 daN / 930 daN
5.7	Gradeability (laden / unladen)		13 % / 15 %
5.10	Service brake		Oil bath
Engine			
6.1	Number of drive motor / Drive motor rating S2 60 min		2 / 4.50 kW
6.2	Lift motor rating at S3 15%		8.60 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 A
6.4	Battery voltage / capacity		48 V / 690 Ah
6.6	Energy consumption according to VDI cycle (kWh/h)		4.70 kWh
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		180 bar
8.3	Oil flow rate for attachments		35 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB
8.4	Sound level at the driver's ear according to DIN 12 053		70 dB

### ME 320 US - Dimensional drawing







**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