
Technical sheet

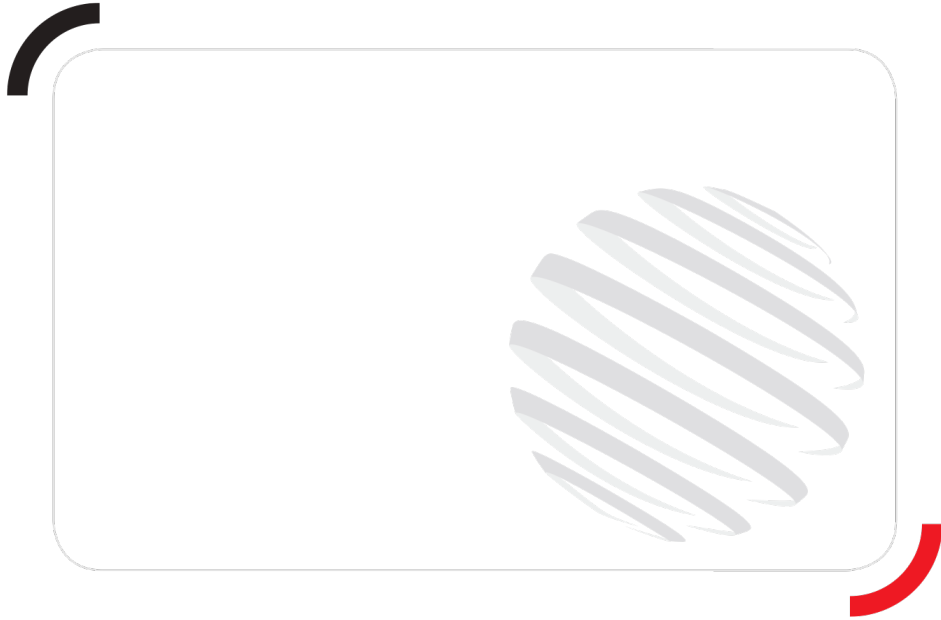
ER 20

Warehousing Equipment



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric
1.1	Manufacturer	Manitou
1.2	Model	ER 20
1.3	Type of traction	Electric
1.4	Type of operation	Seated
1.5	Q - Rated capacity	2000 kg
1.6	c - Center of gravity of load	600 mm
1.9	y - Wheelbase	1530 mm
Weight		
2.1	Weight of truck in working order	3740 kg
2.3	Unladen weight on front/rear axle	2290 kg / 1450 kg
Wheels		
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	Cellular solid cushion
3.2	Size of front wheels	355 x 155
3.3	Size of rear wheels	282 x 105
3.5	Number of front wheels (x)	1x / 2
3.6	b10 - Front track	0 mm
3.7	b11 - Rear track	1128 mm
Dimensions		
4.1	α / β - Front/Rear mast angle	1° / 3°
4.2	h1 - Height (mast lowered)	2640 mm
4.4	h3 - Lift height (Duplex mast)	6300 mm
4.5	h4 - Height of extended mast	6880 mm
4.7	h6 - Height of driver protection (cab)	2200 mm
4.8	h7 - Height of seat	1080 mm
4.19	l1 - Total length	2460 mm
4.20	l2 - Length to fork heel	1310 mm
4.21	Overall length - Single/twinned wheels	1270 mm / -
4.22	e / s / l - Fork dimensions	40 x 100 x 1150
4.23	Fork carriage to DIN 15173 A/B	2A
4.24	b3 - Width of fork clamp	830 mm
4.31	m1 - Ground clearance under mast	70 mm
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	2770 mm
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2810 mm
4.35	Wa - Turning radius	1750 mm
Performances		
5.1	Speed of travel laden / unladen	14.30 km/h / 14.50 km/h
5.2	Lifting speed laden / unladen	0.37 m/s / 0.63 m/s
5.3	Lowering speed laden / unladen	0.55 m/s / 0.43 m/s
5.7	Maximum ramp laden / unladen	6.90 % / 10.20 %
5.10	Service brake	Electromagnetic
Engine		
6.1	Drive motor power rating	7.20 kW
6.2	Lift motor power	15 kW
6.4	Battery voltage/capacity	48 V / 620 Ah
Miscellaneous		
8.1	Type of drive unit	Electronic
8.2	Working hydraulic pressure for attachments	150 bar
8.3	Oil flow rate for attachments	25 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator	60.80 dB(A)



Head office
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 brochure describes versions and configuration options for Manitou products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. Manitou reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your Manitou dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of Manitou and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,547,824 euros - 857 802 508 RCS Nantes