Technical sheet :



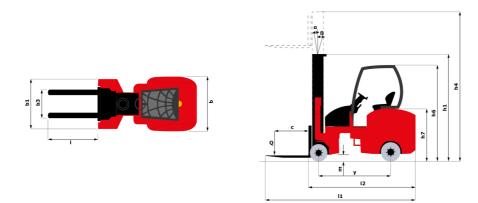




	Technical characteristics
1.1 1.2	Manufacturer
	Model Name
	Power source
	Operator type
5	Max. capacity
6	Load center of gravity
8	Load distance, centre of drive axle to fork
9	Wheelbase
	Weight
.1	Service weight
2	Weight on front axle (laden) / rear axle (laden)
.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
1	Tires type
2	Dimensions of front wheels
3	Dimensions of rear wheels
.5	Number of front wheels / rear wheels
5.2	Number of drive wheels
5	Front wheel gauge
7	Rear wheel gauge
.,	Dimensions
.7	Height of overhead guard (cabin)
, B	Seat height/stand height
19	Overall length
20	Length to face of forks
	Overall width
21 22	Forks section / width / length
22	-
	Fork carriage ISO 2328 (class/form) A/B
.24	Fork carriage width
.31	Ground clearance below mast
.32	Ground clearance at centre of wheelbase
.33	Aisle Width for pallets 1000 x 1200 crossways
.34	Aisle width for 800 x 1200 pallet lengthways
	Performances
5.1	Travel speed (laden / unladen)
5.2	Lifting speed (laden / unladen)
.3	Lowering speed (laden / unladen)
.7	Gradeability (laden / unladen)
0	Service brake
	Engine
.1	Drive motor rating S2 60 min
2	Lift motor rating at S3 15%
3	Battery according to DIN 43531/35/36 A, B, C
.4	Battery voltage / capacity
.5	Battery weight (+/- 5%)
	Miscellaneous
.1	Type of drive control
3.2	Working hydraulic pressure for attachments
.3	Oil flow rate for attachments
.4	Measured/guaranteed mean noise level at the ear of the operator
3.4	Sound level at the driver's ear according to DIN 12 053

EMA II 20	Created on April 1, 2025 at 1:25 AM UTC
	Metric
	Manitou
	EMA II 20
	Electrical
	Seated
Q	2000 kg
С	500 mm
x	278 mm
у	1745 mm
	6600 kg
	4800 kg / 4400 kg
	2200 kg / 4400 kg
	Solid tires
	412 x 178
	457 x 152
	2/2
	2
b10	1125 mm
b11	1200 mm
h6	2260 mm
h7	1200 mm
11	3710 mm
12	2560 mm
b1	1200 mm
/ e / l	40 mm x 125 mm x 1150 mm
	2
b3	860 mm
m1	50 mm
m2	130 mm
Ast	1900 mm
Ast	2100 mm
	9 km/h-9.50 km/h
	0.35 m/s-0.45 m/s
	0.40 m/s-0.36 m/s
	8 % / 10.50 %
	Hydraulic
	10 kW
	9 kW
	DIN 43595
	48 V / 750 Ah
	1135 kg
	Mosfet AC speed controller
	200 bar
	25 l/min
	< 73 dB
	73 dB

## EMA II 20 - Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 42	FLT 45	FLT 50	FLT 56	FLT 60	FLT 66	FLT 72	FLT 76	FLT 80	FLT 86	FLT 90	FLT 95	FLT 102
α - Mast/fork carriage tilt, forward	٥	1	1	1	1	1	1	1	1	1	1	1	1	1
β - Mast/fork carriage tilt, backward	٥	3	3	3	3	3	3	3	3	3	3	3	3	3
h1 - Mast lowered height	mm	2300	2410	2570	2750	2900	3150	3400	3590	3720	4020	4150	4500	4690
h2 - Mast free lift	mm	1480	1590	1750	1930	2080	2330	2580	2770	2900	3200	3330	3650	3870
h3 - Mast lifting height	mm	4200	4530	5010	5550	6000	6600	7200	7620	8010	8610	9000	9500	10200
h4 - Mast extended height	mm	5030	5360	5840	6380	6830	7430	8030	8450	8840	9440	9830	10475	11175
Residual capacity with integrated side shift at max heigth	kg	1800	1700	1600	1500	1400	1300	1200	1150	1080	1000	1000	900	750



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