Technical sheet :





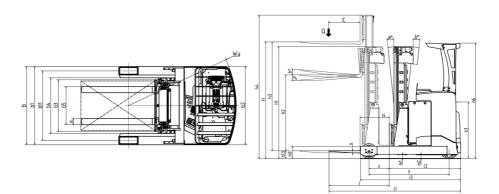
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size of drive wheels	
3.3	Number of load wheels - Size of load wheels	
3.5	Number of front wheels / rear wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
0.7	Dimensions	
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.20	Length to face of forks	12
4.20	Overall width	b1
4.22	Forks section / width / length	s/e/
4.22	Fork carriage ISO 2328 (class/form) A/B	3/6/
4.25	Distance between wheel arms/loading surfaces	b4
4.25.1	Width over forks min. / max.	b4 b5
4.23.1	Ground clearance at centre of wheelbase	m2
4.32	Aisle width for 1000 x 1200 pallet lengthways	1112
4.33	Aisle width for 800 x 1200 pallet lengthways	Ast
4.34	Turning radius	Wa
4.55	Height of overhead guard (cabin)	h6
4.7		110
5.1	Performances Travel speed (laden / unladen)	
5.1		
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen) People speed (with lead / without lead)	
5.4.1	Reach speed (with load / without load)	
5.7	Gradeability (laden / unladen) Service brake	
5.10		
6.1	Engine Drive mater rating \$2.60 min	
6.2	Drive motor rating S2 60 min	
6.3	Lift motor rating at S3 15%	
	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
0.1	Miscellaneous	
8.1	Type of drive control	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

	MANITOU
	ER 20
	Electrical
	Seated
	2000 kg
	600 mm
	441 mm
	1530 mm
	1330 11111
	3740 kg
	Vulkollan
	1 x 355 x 155
	2 x 285 x 105
	1 / 2
	0 mm
	1128 mm
	1077 mm
	2460 mm
	1310 mm
	1270 mm
I	40 mm x 100 mm / 1150 mm
	2A
	903 mm
	316 mm / 697 mm
	70 mm
	2770 mm
	2770 mm 2808 mm
	2808 mm 1750 mm
	2808 mm
	2808 mm 1750 mm 2205 mm
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 %
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW 15 kW
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW 15 kW
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW 15 kW DIN 43531 C 48 V / 620 Ah
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW 15 kW DIN 43531 C
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW 15 kW DIN 43531 C 48 V / 620 Ah 920 kg
	2808 mm 1750 mm 2205 mm 14.30 km/h / 14.50 km/h 0.37 m/s / 0.63 m/s 0.55 m/s / 0.43 m/s 0.20 m/s / 0.20 m/s 6.90 % / 10.20 % Electric 7.20 kW 15 kW DIN 43531 C 48 V / 620 Ah

60.80 dB

ER 20 Created on July 31, 2025 at 9:28 PM UTC

ER 20 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
α - Mast/fork carriage tilt, forward	۰	3	3	3	3	3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2640	2790	2957	3040	3190	3357	3523
h2 - Mast free lift	mm	16001	1800	1900	2100	2250	2400	2650	2800	2980
h3 - Mast lifting height	mm	4800	5400	5700	6300	6750	7250	7950	8450	8950
h4 - Mast extended height	mm	5380	5980	6880	7330	7830	8080	8530	9030	9530
Residual capacity with integrated side shift at max heigth	kg	2000	2000	2000	1850	1600				



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