Technical sheet :





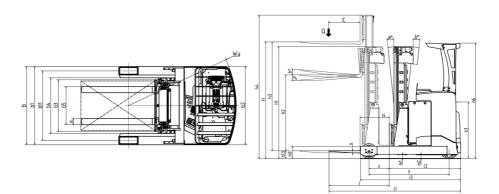
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	X
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size 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	b1
3.7	Rear wheel gauge	b1
0.7	Dimensions	51
4.8	Seat height/stand height	h7
4.19	Overall length	17
4.19	Length to face of forks	12
4.20	Overall width	12 b1
4.21	Forks section / width / length	s / e
4.22	Fork carriage ISO 2328 (class/form) A/B	5/6
4.25	Distance between wheel arms/loading surfaces	b4
4.20	Width over forks min. / max.	
4.25.1	Ground clearance at centre of wheelbase	b5 m2
		ma
4.33	Aisle width for 1000 x 1200 pallet lengthways	٨
4.34	Aisle width for 800 x 1200 pallet lengthways	As
4.35	Turning radius	Wa
4.7	Height of overhead guard (cabin)	hé
5.4	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.4.1	Reach speed (with load / without load)	
5.7	Gradeability (laden / unladen)	
5.10	Service brake	
	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at S3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
	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	

Metric	
MANITOU	
ER 16	
Electrical	
Seated	
1600 kg	
600 mm	
439 mm	
1448 mm	
3190 kg	
Vulkollan	
1 x 355 x 155	
2 x 282 x 105	
1/2	
0 mm	
1130 mm	
1077	
1077 mm 2379 mm	
1229 mm	
1229 mm	
40 mm x 100 mm / 1150 mm	
2A	
912 mm	
316 mm / 697 mm	
70 mm	
2689 mm	
2728 mm	
1668 mm	
2205 mm	
14.30 km/h / 14.50 km/h	
0.49 m/s / 0.80 m/s	
0.49 m/s / 0.48 m/s	
0.20 m/s / 0.20 m/s	
8.50 % / 11.10 %	
Electric	
7.20 kW	
15 kW	
DIN 43531 C	
48 V / 465 Ah	

735 kg Electronic 25 l/min 60.80 dB

ER 16 Created on July 26, 2025 at 5:48 PM UTC

ER 16 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
α - Mast/fork carriage tilt, forward °		3	3	3	3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2640	2790	2957	3190	3673	3823
h2 - Mast free lift	mm	1600	1800	1900	2100	2400	2650	3100	3200
h3 - Mast lifting height	mm	4800	5400	6300	6750	7250	7950	8450	8950
h4 - Mast extended height	mm	5380	5980	6880	7330	7830	8530	9080	9530
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1100				



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