Technical sheet :



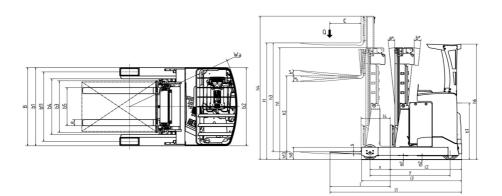


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	У
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.5.2	Number of drive wheels - Size 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	511
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
4.19	Overall length	11
4.10	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s/e/
4.23	Fork carriage ISO 2328 (class/form) A/B	3767
4.26	Distance between wheel arms/loading surfaces	b4
4.25.1	Width over forks min. / max.	b4
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle width for 1000 x 1200 pallet lengthways	1112
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.35	Turning radius	Wa
4.33	Performances	Wa
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	
5.10	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 worldge / capacity Battery weight (+/- 5%)	
0.5	Battery weight (+/- 5%) Miscellaneous	
8.1	Type of drive control	
8.1	Type of drive control Oil flow rate for attachments	
8.3 8.4		
0.4	Sound level at the driver's ear according to DIN 12 053	

er 16 hd (created on I	May 2,	2024 at	3:45:16	AM UTC
-------------------	--------------	--------	---------	---------	--------

Siealed off May 2, 2024 at 5.45.10 AM 010
Metric
MANITOU
ER 16 HD
Electrical
Seated
1600 kg
600 mm
306 mm
1420 mm
4150 kg
Vulkollan
1 x 355 x 155
2 x 230*105
1/2
0 mm
1128 mm
0005
2205 mm
1077 mm
2485 mm
1335 mm
1270 mm 40 mm x 100 mm / 1150 mm
40 mm x 100 mm / 1150 mm 2A
903 mm
316 mm / 697 mm
70 mm
2758 mm
2820 mm
1640 mm
14.30 km/h / 14.50 km/h
0.47 m/s / 0.67 m/s
0.52 m/s / 0.50 m/s
0.20 m/s / 0.20 m/s
15.20 % / 11 %
Electric
7.20 kW
15 kW
DIN 43531 C
48 V / 620 Ah
920 kg
Electronic
25 l/min
60.80 dB

ER 16 HD - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 64	FLT 71	FLT 76	FLT 81	FLT 85	FLT 90	FLT 96	FLT 102	FLT 109
Mast/fork carriage tilt, forward	۰	3	3	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2957	3190	3357	3523	3673	3823	4040	4240	440
h2 - Mast free lift	mm	2400	2650	2800	2900	3100	3200	3500	3700	3900
h3 - Mast lifting height	mm	6350	7050	7550	8050	8500	8950	9600	10200	10800
h4 - Mast extended height	mm	6930	7630	8130	8630	9080	9530	10180	10780	11380
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1300	1150	1000	800		



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