Technical sheet :







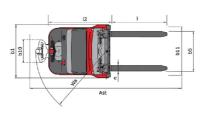
	Technical characteristics	
1.1	Manufacturer	- 1
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Distance from Load backrest to center of rear axle	
1.9	Wheelbase	
	Weight	
2.1	Service weight	. 1
	Wheels	- 1
3.1	Tires type	- 1
3.3	Number of load wheels / Size of load wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels / Size of drive wheels	
3.7	Rear wheel gauge	
3.7	Dimensions	- 1
4.15	Fork height in low position	
4.13	Overall length	
4.19	Length to face of forks	
4.20	Overall width	
4.21		
4.22	Forks section / width / length	
	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	
4.31	Ground clearance below mast	
4.32	Ground clearance at centre of wheelbase	
4.33	Aisle Width for pallets 1000 x 1200 crossways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Turning radius	
4.9	Height tiller min. / max.	
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.8	Max Gradeability (laden / unladen)	
5.10	Service brake	- 1
	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	
8.4	Sound level at the driver's ear according to DIN 12 053	

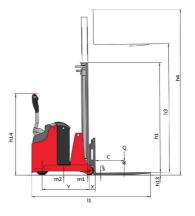
ES-C 504	Created on July 31, 2025 at 10:41 AM UTC					
	Metric					
	Manitou					
	ES 504 GPF					
	Electrical					
	Pedestrian					
Q	400 kg					
С	400 mm					
x	96 mm					
у	817 mm					
	1120 kg					
	Polyurethane					
	2 / 150x70					
	1 / 2					
	1/230x70					
b11	826 mm					
h13	35 mm					
11	1900 mm					
12	1100 mm					
b1	923 mm					
s / e / l	30 mm / 100 mm / 800 mm					
	2B					
b3	750 mm					
m1	60 mm					
m2	69 mm					
Ast	2595 mm					
Ast	2705 mm					
Wa	1130 mm					
h14 / h14	830 mm / 1385 mm					
	6 km/h / 6 km/h					
	0.18 m/s / 0.30 m/s					
	0.27 m/s / 0.22 m/s					
	7 % / 10 %					
	Electro magnetic					
	1 E0 LW					
	1.50 kW					
	3 kW					
	DIN 43535-B					
	24 V / 180 Ah					

175 kg

AC 65 dB

ES-C 504 - Dimensional drawing





Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
α - Mast/fork carriage tilt, forward	٥	4	4
β - Mast/fork carriage tilt, backward	٥	6	6
h1 - Mast lowered height	mm	1931	2181
h2 - Mast free lift	mm	1420	1670
h3 - Mast lifting height	mm	1420	1670
h4 - Mast extended height	mm	2070	2320
Residual capacity at max height	kg	400	400

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
α - Mast/fork carriage tilt, forward	۰	4	4	4
β - Mast/fork carriage tilt, backward	٥	6	6	6
h1 - Mast lowered height	mm	1931	2181	2381
h3 - Mast lifting height	mm	2850	3350	3750
h4 - Mast extended height	mm	3500	4000	4400
Residual capacity at max height	kg	400	400	300

Free Lift Duplex (FLD)		FLD 29	FLD 34
a - Mast/fork carriage tilt, forward	۰	4	4
β - Mast/fork carriage tilt, backward	٥	6	6
h1 - Mast lowered height	mm	1931	2181
h2 - Mast free lift	mm	1420	1670
h3 - Mast lifting height	mm	2850	3355
h4 - Mast extended height	mm	3500	4000
Residual capacity at max height	kg	400	400

Free Lift Triplex (FLT)		FLT 42
α - Mast/fork carriage tilt, forward	٥	4
β - Mast/fork carriage tilt, backward	٥	6
h1 - Mast lowered height	mm	1956
h2 - Mast free lift	mm	1380
h3 - Mast lifting height	mm	4160
h4 - Mast extended height	mm	4810
Residual capacity at max height	kg	200



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