Technical sheet :



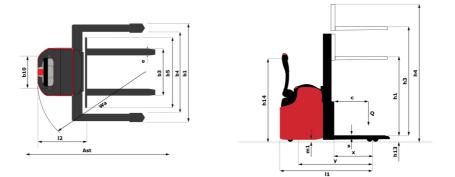




	Technical elementation
1.1	Technical characteristics Manufacturer
1.1	Manufacturer
1.2	Power source
1.3	Operator type
1.4	Max. capacity
1.5	
1.8	Load center of gravity Distance from Load backrest to center of rear axle
1.0	Wheelbase
1.9	
2.1	Weight Service weight
2.1	Service weight
	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Unladen) / rear axle (Unladen)
2.1	Wheels
3.1	Tires type
3.3	Number of load wheels / Size of load wheels
3.4	Number of castor wheels
3.4	Number of stabilizer wheels / Size of the stabilizer wheels
3.5	Number of front wheels / rear wheels
3.5.2	Number of drive wheels / Size of drive wheels
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
4.15	Fork height in low position
4.19	Overall length
4.20	Length to face of forks
4.21	Overall width
4.22	Forks section / width / length
4.26	Distance between wheel arms/loading surfaces
4.23	Fork carriage ISO 2328 (class/form) A/B
4.24	Fork carriage width
4.25	Space between arms
4.31	Ground clearance below mast
4.32	Ground clearance at centre of wheelbase
4.35	Turning radius
4.9	Height tiller min. / max.
5.1	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
6.1	Engine
6.1	Drive motor rating \$2 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 410	DLE Created on 2 May 2024 at 08:35:14 UTC				
	Metric				
	Manitou				
	ES 410 LE				
	Electrical				
	Pedestrian				
Q	1000 kg				
С	600 mm				
x	723 mm				
У	1285 mm				
	920 kg				
	728 kg / 1192 kg				
	644 kg / 276 kg				
	Polyurethane				
	2 / 78x78				
	1				
	2 / 125x50				
	2/2				
	1/230x75				
b10	517 mm				
b11	978 mm				
h13	85 mm				
11	1870 mm				
12	720 mm				
b1	1106 mm				
s / e / l	30 mm / 100 mm / 1150 mm				
b4	850 mm				
	2B				
b3	720 m				
b3	850/1050/1250				
m1	35 mm				
m2	20 mm				
Wa h14 / h14	1465 mm 1050 mm / 1050 mm				
1114 / 1114					
	6 km/h / 6 km/h				
	0.14 m/s / 0.24 m/s				
	0.30 m/s / 0.20 m/s				
	8 % / 10 %				
	Electro magnetic				
	1.20 kW				
	3 kW				
	DIN 43535-B				
	24 V / 180 Ah				
	176 kg				
	AC				
	65 dB				

## ES 410 LE - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 29	FVD 34	FVD 38	
h1 - Mast lowered height	mm	1940	2190	2390
h3 - Mast lifting height	mm	2940	3440	3840
h4 - Mast extended height	mm	3365	3865	4265
Residual capacity at max height	kg	1000	900	1000

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1940	2190
h2 - Mast free lift	mm	1510	1760
h3 - Mast lifting height	mm	2935	3435
h4 - Mast extended height	mm	3365	3865
Residual capacity at max height	kg	1000	900

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1960
h2 - Mast free lift	mm	1470
h3 - Mast lifting height	mm	4240
h4 - Mast extended height	mm	4240
Residual capacity at max height	kg	550



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