Technical sheet :



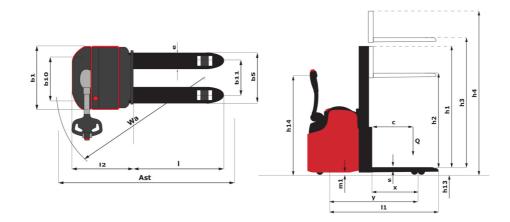




	Technical characteristics
1.1	Manufacturer
1.1	Manufacturer
1.2	Power source
1.3	Operator type
1.4	
1.5	Max. capacity
1.8	Load center of gravity Distance from Load backrest to center of rear axle
1.8	Wheelbase
1.9	Weight
2.1	Service weight
2.1	Service weight Weight on front axle (laden) / rear axle (laden)
2.2	Weight on front axle (Iuladen) / rear axle (Iuladen)
2.3	Wheels
0.1	
3.1	Tires type Number of load wheels / Size of load wheels
3.3	Number of stabilizer wheels / Size of the stabilizer wheels
3.4	Number of stabilizer wheels / size of the stabilizer wheels
3.5	Number of front wheels / rear wheels Number of drive wheels / Size of drive wheels
3.5.2	
3.6	Front wheel gauge
3.7	Rear wheel gauge
4.6	Dimensions
4.6	Initial lift
4.15	Fork height in low position
4.19	Overall length
4.20	Length to face of forks
4.21 4.22	Overall width
4.22	Forks section / width / length Fork carriage width
4.24	Ground clearance at centre of wheelbase
4.32	Aisle Width for pallets 1000 x 1200 crossways
4.33	Aisle width for 800 x 1200 pallet lengthways
4.34	
4.55	Tuming radius Height tiller min. / max.
4.9	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
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 weight (+/- 5%)
0.5	Miscellaneous
8.1	Type of drive control
8.4	Sound level at the driver's ear according to DIN 12 053
0.4	Sound level at the universitial decording to DNV 12 055

ES 614 L	Created on 1 May 2024 at 9:46:51 PM UTC
	Metric
	Manitou
	ES 614 LI
	Electrical
	Pedestrian
Q	1400 kg
С	600 mm
x	848 mm
У	1492 mm
	1327 kg
	1219 kg / 1503 kg
	1033 kg / 290 kg
	Bandage
	2 / 140x60
	1 / 140x60
	2 / 4
	1/230x70
b10	529 mm
b11	380 mm
h5	110 mm
h13	86 mm
11	2174 mm
12	976 mm
b1	800 mm
s/e/l	60 mm / 185 mm / 1190 mm
b3	700 mm
m2 Ast	30 mm 2520 mm
Ast	2320 mm
Wa	1849 mm
h14 / h14	750 mm / 1250 mm
11147 1114	730 mm / 1230 mm
	4.50 km/h / 4.50 km/h
	0.18 m/s / 0.30 m/s
	0.27 m/s / 0.22 m/s
	7 % / 10 %
	Electro magnetic
	1.50 kW
	3 kW
	DIN 43535-B
	DIN 43535-B 24 V / 180 Ah
	24 V / 180 Ah
	24 V / 180 Ah

ES 614 LI - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	1506	1756
h4 - Mast extended height	mm	1960	2210
Residual capacity at max height	kg	1400	1400

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1953	2203	2403
h3 - Mast lifting height	mm	2936	3436	3836
h4 - Mast extended height	mm	3390	3890	4290
Residual capacity at max height	kg	1300	1050	800

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	2931	3431
h4 - Mast extended height	mm	3385	3885
Residual capacity at max height	kg	1300	1050

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1911	2071	2315
h2 - Mast free lift	mm	1466	1626	1880
h3 - Mast lifting height	mm	4246	4726	5460
h4 - Mast extended height	mm	4723	5203	5895
Residual capacity at max height	kg	670	470	450



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