Technical sheet:

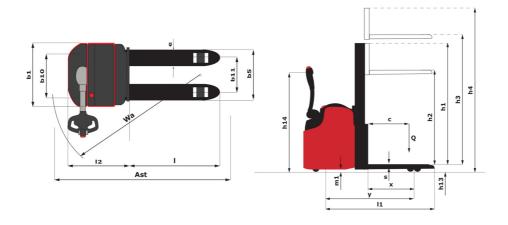
ES 614 LI





			11cd off August 10, 2020 at 7.47 Airi of
Technical characteristics			Metric
1.1 Manufacturer			Manitou
1.2 Model Name			ES 614 LI
1.3 Power source			Electrical
1.4 Operator type			Pedestrian
1.5 Max. capacity		Q	1400 kg
1.6 Load center of gravity		C	600 mm
1.8 Distance from Load backrest	to center of rear axle	Х	848 mm
1.9 Wheelbase		У	1492 mm
Weight			
2.1 Service weight			1283 kg
2.2 Weight on front axle (laden) /	/ rear axle (laden)		1189 kg / 1493 kg
2.3 Weight on front axle (Unlader	, ,		1003 kg / 280 kg
Wheels			3 3
3.1 Tires type			Polyurethane
3.3 Number of load wheels / Size	e of load wheels		4 / 82 x 68
	/ Size of the stabilizer wheels		1 / 120 x 54
3.5 Number of front wheels / rear			2 / 4
3.5.2 Number of drive wheels / Size			1/230x70
3.6 Front wheel gauge		b10	529 mm
3.7 Rear wheel gauge		b11	380 mm
Dimensions			
4.6 Initial lift		h5	110 mm
4.15 Fork height in low position		h13	86 mm
4.19 Overall length		I1	2174 mm
4.20 Length to face of forks		12	846 mm
4.21 Overall width		b1	800 mm
4.22 Forks section / width / length		s / e / l	60 mm / 185 mm / 1190 mm
4.24 Fork carriage width		b3	700 mm
4.32 Ground clearance at centre of	f wheelbase	m2	30 mm
4.33 Aisle Width for pallets 1000 x		Ast	2520 mm
4.34 Aisle width for 800 x 1200 pa	•	Ast	2653 mm
4.35 Turning radius		Wa	1716 mm
4.9 Height tiller min. / max.		h14 / h14	750 mm / 1250 mm
Performances			
5.1 Travel speed (laden / unlader	n)		6 km/h / 6 km/h
5.2 Lifting speed (laden / unlade			0.18 m/s / 0.30 m/s
5.3 Lowering speed (laden / unla	•		0.27 m/s / 0.22 m/s
5.8 Max Gradeability (laden / unli			7 % / 10 %
5.10 Service brake	,		Electro magnetic
Engine			
6.1 Drive motor rating S2 60 min			1.50 kW
6.2 Lift motor rating at S3 15%			3 kW
6.3 Battery according to DIN 4353	1/35/36 A, B, C		DIN 43535-B
6.4 Battery voltage / capacity	, , .		24 V / 180 Ah
6.5 Battery weight (+/- 5%)			220 kg
Miscellaneous			· ··s
8.1 Type of drive control			AC
8.4 Sound level at the driver's ear	according to DIN 12 053		65 dB

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	ka	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