Technical sheet:

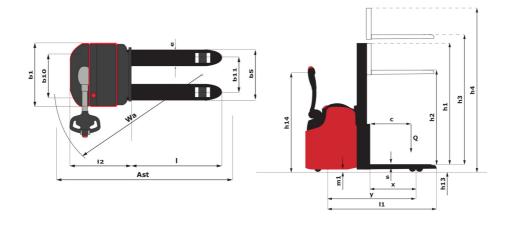
ES 614 LI





Technical characteristics		Metric
Manufacturer		Manitou
Model Name		ES 614 LI
Power source		Electrical - Lead
Operator type		Pedestrian
Max. capacity	Q	1400 kg
Load center of gravity	С	600 mm
Distance from Load backrest to center of rear axle	X	848 mm
Wheelbase	У	1492 mm
Weight		
Service weight		1283 kg
Weight on front axle (laden) / rear axle (laden)		1189 kg / 1493 kg
Weight on front axle (Unladen) / rear axle (Unladen)		1003 kg / 280 kg
Wheels		
Tires type		Polyurethane cushion
Number of load wheels / Size of load wheels		4 / 82 x 68
Number of stabilizer wheels / Size of the stabilizer wheels		1 / 120 x 54
Number of front wheels / rear wheels		2 / 4
Number of drive wheels / Size of drive wheels		1/230x70
Front wheel gauge	b10	529 mm
Rear wheel gauge	b11	380 mm
Dimensions		
Fork height in low position	h13	86 mm
Overall length	11	2174 mm
Length to face of forks	12	846 mm
Overall width	b1	800 mm
Forks section / width / length	s / e / l	60 mm / 185 mm / 1190 mm
Fork carriage width	b3	700 mm
Ground clearance at centre of wheelbase	m2	30 mm
Aisle Width for pallets 1000 x 1200 crossways	Ast	2520 mm
Aisle width for 800 x 1200 pallet lengthways	Ast	2653 mm
Initial lift	h5	110 mm
Turning radius	Wa	1716 mm
Height tiller min. / max.	h14 / h14	750 mm / 1250 mm
Performances	,	700 mm / 1200 mm
Travel speed (laden / unladen)		6 km/h / 6 km/h
Lifting speed (laden / unladen)		0.18 m/s / 0.30 m/s
Lowering speed (laden / unladen)		0.27 m/s / 0.22 m/s
Max Gradeability (laden / unladen)		7 % / 10 %
Service brake		Electro magnetic
Engine		
Drive motor rating S2 60 min		1.50 kW
Lift motor rating at S3 15%		3 kW
Battery according to DIN 43531/35/36 A, B, C		DIN 43535-B
Battery voltage / capacity		24 V / 180 Ah
Battery weight (+/- 5%)		220 kg
Miscellaneous		
Type of drive control		AC
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