Technical sheet :

ES 612 LI (5PTS)

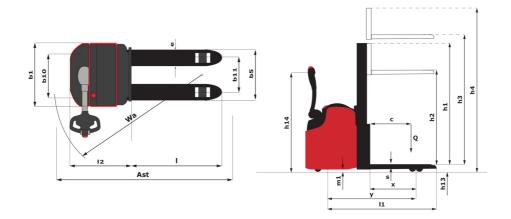




		230122
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Distance from Load backrest to center of rear axle	
1.9	Wheelbase	
1.2	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axle (Indeen) / rear axle (Indeen)	
2.5	Wheels	
3.1	Tires type	
3.3	Number of load wheels / Size of load wheels	
3.3	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	
4.6	Dimensions	
4.6	Initial lift	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22	Forks section / width / length	
4.24	Fork carriage width	
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.	h
	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	
	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	

(5PTS)	Created on August 30, 2025 at 6:18 PM UTC		
	Metric		
	Manitou		
	ES 612 LI (5pts)		
	Electrical - Lead		
	Pedestrian		
Q	1200 kg		
с	600 mm		
х	729 mm		
у	1393 mm		
	1248 kg		
	983 kg / 1513 kg		
	883 kg / 353 kg		
	Polyurethane		
	4 / 82 x 68		
	1 / 120 x 54		
	3 / 4		
	1/230x70		
10	558 mm		
011	380 mm		
h5	110 mm		
11	2126 mm		
12	834 mm		
b1	800 mm 60 mm / 185 mm / 1150 mm		
e/l b3	700 mm		
n2	24 mm		
Ast	2398 mm		
Ast	2398 mm		
Na	1597 mm		
/ h14	750 mm / 1250 mm		
/ 1114	730 mm 7 1230 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		
	1.50 kW		
	3 kW		
	DIN 43535-B		
	24 V / 180 Ah		
	189 kg		
	AC		
	65 dB		

ES 612 LI (5pts) - 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	1200	1200

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	1200	900

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1911
h2 - Mast free lift	mm	1466
h3 - Mast lifting height	mm	4246
h4 - Mast extended height	mm	4723
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