

Technical sheet :

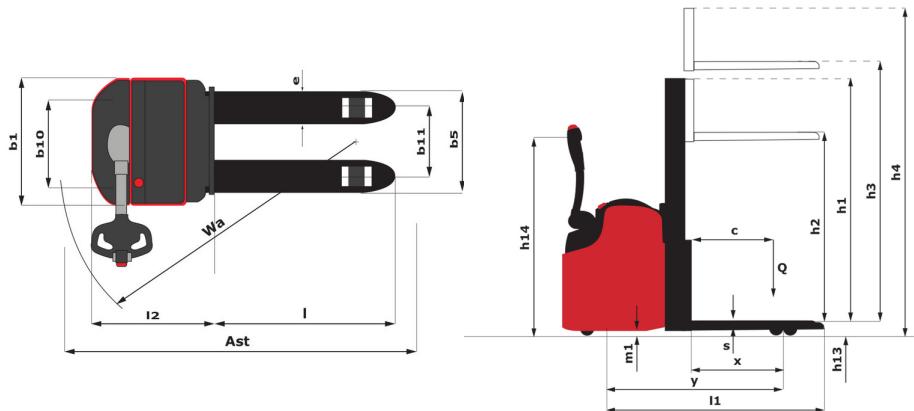
ES 614 (5PTS)



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	ES 614 (5pts)	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	1400 kg	
1.6	Load center of gravity	600 mm	
1.8	Distance from Load backrest to center of rear axle	687 mm	
1.9	Wheelbase	1272 mm	
Weight			
2.1	Service weight	1095 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	1065 kg / 1620 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	855 kg / 240 kg	
Wheels			
3.1	Tires type	Polyurethane cushion	
3.3	Number of load wheels / Size of load wheels	4 / 82 x 68	
3.4	Number of stabilizer wheels / Size of the stabilizer wheels	2 / 120 x 54	
3.5	Number of front wheels / rear wheels	3 / 4	
3.5.2	Number of drive wheels / Size of drive wheels	1/230x70	
3.6	Front wheel gauge	529 mm	
3.7	Rear wheel gauge	380 mm	
Dimensions			
4.15	Fork height in low position	85 mm	
4.19	Overall length	2052 mm	
4.20	Length to face of forks	761 mm	
4.21	Overall width	800 mm	
4.22	Forks section / width / length	60 mm / 185 mm / 1150 mm	
4.24	Fork carriage width	700 mm	
4.32	Ground clearance at centre of wheelbase	30 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	2286 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2432 mm	
4.35	Turning radius	1476 mm	
4.9	Height tiller min. / max.	750 mm / 1250 mm	
Performances			
5.1	Travel speed (laden / unladen)	6 km/h / 6 km/h	
5.2	Lifting speed (laden / unladen)	0.18 m/s / 0.30 m/s	
5.3	Lowering speed (laden / unladen)	0.27 m/s / 0.22 m/s	
5.8	Max Gradeability (laden / unladen)	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 43531/35/36 A, B, C	DIN 43535-B	
6.4	Battery voltage / capacity	24 V / 250 Ah	
6.5	Battery weight (+/- 5%)	220 kg	
Miscellaneous			
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 (5pts) - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)	CCS 15	CCS 17
h1 - Mast lowered height mm	1930	2180
h2 - Mast free lift mm	1505	1755
h3 - Mast lifting height mm	1505	1755
h4 - Mast extended height mm	1944	2194
Residual capacity at max height kg	1400	1400

Full Visibility Duplex (FVD)	FVD 29	FVD 34	FVD 38
h1 - Mast lowered height mm	1930	2180	2380
h3 - Mast lifting height mm	2935	3435	3835
h4 - Mast extended height mm	3374	3874	4274
Residual capacity at max height kg	1050	800	500

Free Lift Duplex (FLD)	FLD 29	FLD 34
h1 - Mast lowered height mm	1930	2180
h2 - Mast free lift mm	1505	1755
h3 - Mast lifting height mm	2930	3430
h4 - Mast extended height mm	3369	3869
Residual capacity at max height kg	1050	800

Free Lift Triplex (FLT)	FLT 42
h1 - Mast lowered height mm	1889
h2 - Mast free lift mm	1465
h3 - Mast lifting height mm	4245
h4 - Mast extended height mm	4701
Residual capacity at max height kg	400



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