Technical sheet :

# **AMR ES 612**





	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	С	
1.8	Load distance, centre of drive axle to fork (low/raised) - Low position / Raised position	x / Q	
1.9	Wheelbase	у	
	Wheels		
3.1	Tires type		
3.5	Number of front wheels / rear wheels		
3.5.2	Number of drive wheels		
3.6	Front wheel gauge	b10	
3.7	Rear wheel gauge	b11	
	Dimensions		
4.19	Overall length	11	
4.20	Length to face of forks	12	
4.21	Overall width	b1	
4.22	Forks section / width / length	s / e / l	
4.24	Fork carriage width	b3	
4.32	Ground clearance at centre of wheelbase	m2	
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	
4.35	Tuming radius	Wa	
	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		
6.4.1	Battery max. capacity		
6.5	Battery weight (+/- 5%)		
6.5.1	Battery max. weight		
	Miscellaneous		
8.1	Type of drive control		
8.4	Sound level at the driver's ear according to DIN 12 053		

### AMR ES 612 Created on May 17, 2024 at 5:50:52 AM UTC

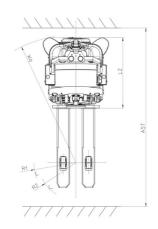
MANITOU AMR ES612 Electrical Carried 1200 kg 600 mm 696 mm / 736 mm 1457 mm

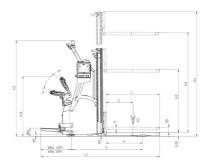
> Polyurethane 2/4 1 531 mm 380 mm

2160 mm 1010 mm 800 mm 60 mm / 185 mm / 1150 mm 700 mm 30 mm 2999 mm 2143 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 / 270 Ah 375 A 255 kg 305 kg Variator 70 dB

### AMR ES 612 - Dimensional drawing





## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38	FVD 43
h1 - Mast lowered height	mm	1953	2203	2403	2653
h3 - Mast lifting height	mm	2936	3436	3836	4336
h4 - Mast extended height	mm	3390	3890	4290	4790
Residual capacity at max height	kg	1200	1050	800	650



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