

Technical sheet :

# AMR ES 614

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 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		AMR ES614
1.3	Power source		Electrical
1.4	Operator type		Carried
1.5	Max. capacity	Q	1400 kg
1.6	Load center of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork (low/raised) - Low position / Raised position	x / Q	725 mm / 685 mm
1.9	Wheelbase	y	1457 mm
	<b>Wheels</b>		
3.1	Tires type		Polyurethane
3.5	Number of front wheels / rear wheels		2 / 4
3.5.2	Number of drive wheels		1
3.6	Front wheel gauge	b10	531 mm
3.7	Rear wheel gauge	b11	380 mm
	<b>Dimensions</b>		
4.15	Fork height in low position	h13	84 mm
4.19	Overall length	l1	2171 mm
4.20	Length to face of forks	l2	1021 mm
4.21	Overall width	b1	800 mm
4.22	Forks section / width / length	s / e / l	60 mm / 185 mm / 1150 mm
4.24	Fork carriage width	b3	700 mm
4.32	Ground clearance at centre of wheelbase	m2	30 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2464 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2438 mm
4.35	Turning radius	Wa	2143 m
	<b>Performances</b>		
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
	<b>Engine</b>		
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 / 270 Ah
6.4.1	Battery max. capacity		375 A
6.5	Battery weight (+/- 5%)		255 kg
6.5.1	Battery max. weight		305 kg
	<b>Miscellaneous</b>		
8.1	Type of drive control		Variator
8.4	Sound level at the driver's ear according to DIN 12 053		70 dB

## AMR ES 614 - 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	1300	1050	800	670



**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](http://www.manitou.com)



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