

Technical sheet :

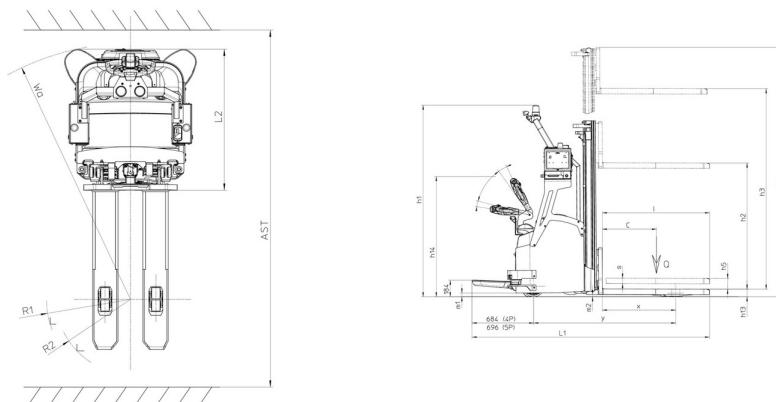
AMR ES 614



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	AMR ES614	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Carried	
1.5	Max. capacity	1400 kg	
1.6	Load center of gravity	600 mm	
1.8	Load distance, centre of drive axle to fork (low/raised) - Low position / Raised position	x / x	725 mm / 685 mm
1.9	Wheelbase	y	1457 mm
Wheels		Polyurethane cushion	
3.1	Tires type	2 / 4	
3.5	Number of front wheels / rear wheels	1	
3.5.2	Number of drive wheels	531 mm	
3.6	Front wheel gauge	380 mm	
3.7	Rear wheel gauge	84 mm	
Dimensions		2171 mm	
4.15	Fork height in low position	1021 mm	
4.19	Overall length	800 mm	
4.20	Length to face of forks	60 mm / 185 mm / 1150 mm	
4.21	Overall width	700 mm	
4.22	Forks section / width / length	30 mm	
4.24	Fork carriage width	2464 mm	
4.32	Ground clearance at centre of wheelbase	2438 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	2143 m	
4.34	Aisle width for 800 x 1200 pallet lengthways		
4.35	Turning radius		
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 / 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	
Miscellaneous			
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
h3 - Mast lifting height	mm	2936	3436	3836
h4 - Mast extended height	mm	3390	3890	4290
Residual capacity at max height	kg	1300	1050	800
				670



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