Technical sheet :

## **AMR ES 616**



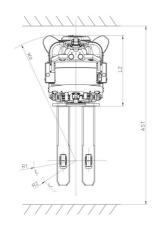


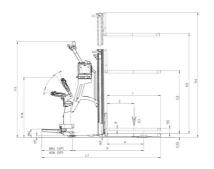
	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	С	
1.8	Load distance, centre of drive axle to fork (low/raised) - Low position / Raised position	x / Q	
1.9	Wheelbase	у	
	Wheels		
3.1	Tires type		
3.5	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		

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	Metric
	MANITOU
	AMR ES616
	Electrical
	Carried
Q	1600 kg
С	600 mm
x / Q	725 mm / 685 mm
у	1457 mm
	Polyurethane
	2 / 4
	1
b10	531 mm
b11	380 mm
11	2178 mm
12	1021 mm
b1	800 mm
s/e/l	60 mm / 185 mm / 1150 mm
b3	700 mm
m2	30 mm
Ast Wa	3003 mm 2143 m
Wd	2143 111
	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 616 - 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	1350	1100	850	720



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