Technical sheet :







	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	Distance from Load backrest to center of rear axle	x
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
	Wheels	
3.1	Tires type	
3.3	Number of load wheels / Size of load wheels	
3.4	Number of castor wheels	
3.4	Number of stabilizer wheels / Size of the stabilizer wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels / Size of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
0.7	Dimensions	511
4.15	Fork height in low position	h13
4.19	Overall length	1
4.20	Length to face of forks	2
4.21	Overall width	b1
4.22	Forks section / width / length	s/e/l
4.24	Fork carriage width	b3
4.31	Ground clearance below mast	m1
4.31	Ground clearance at centre of wheelbase	m2
4.32	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.33		Ast
	Aisle Width for pallets 800 x 1200 crossways	Wa
4.35	Tuming radius	
4.9	Height tiller min. / max.	h14 / h14
5.4	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	
6.5	Battery weight (+/- 5%)	
	Miscellaneous	
8.1	Type of drive control	
8.4	Sound level at the driver's ear according to DIN 12 053	

ES 72	• Created on August 12, 2025 at 3:46 PM UTC			
	Metric			
Manitou				
	ES 720			
	Electrical			
	Pedestrian			
Q	2000 kg			
C	600 mm			
х	665 mm			
у	1104 mm			
,				
	1420 kg			
	Polyurethane			
	2 / 125 x 50			
	1			
	2 / 254 x 50			
	3 / 4			
	1/254 x 50			
b10	878 mm			
b11	395 mm			
h13	90 mm			
11	1911 mm			
12	761 mm			
b1	1080 mm			
s / e / l	70 mm / 185 mm / 1150 mm			
b3	752 mm			
m1	30 mm			
m2	30 mm			
Ast	2335 mm			
Ast	2336 mm			
Wa	1468 mm			
h14 / h14	1030 mm / 1490 mm			
	6 km/h / 6 km/h			
	0.11 m/s / 0.20 m/s			
	0.22 m/s / 0.21 m/s			
	5 % / 8 %			
	Electro magnetic			
	2 kW			
	4 kW			
	DIN 43535-B			
	24 V / 250 Ah			
	250 kg			
	AC			
	70 dB			

## ES 720 - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1945	2195
h2 - Mast free lift	mm	1420	1670
h3 - Mast lifting height	mm	1500	1700
h4 - Mast extended height	mm	1965	2215
Residual capacity at max height	kg	2000	2000
Height at max capacity	mm	1510	1760

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1945	2195	2395
h3 - Mast lifting height	mm	2900	3400	3800
h4 - Mast extended height	mm	3400	3900	4300
Residual capacity at max height	kg	2000	1800	1600
Height at max capacity	mm	2940	2900	2900

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1945	2195
h2 - Mast free lift	mm	1420	1670
h3 - Mast lifting height	mm	2900	3400
h4 - Mast extended height	mm	3400	3900
Residual capacity at max height	kg	2000	1700
Height at max capacity	mm	2930	2900

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1900	2065	2305
h2 - Mast free lift	mm	1380	1540	1790
h3 - Mast lifting height	mm	4200	4700	5400
h4 - Mast extended height	mm	4720	5200	5930
Residual capacity at max height	kg	1300	1000	700
Height at max capacity	mm	2900	2900	2900



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



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