

Technical sheet :

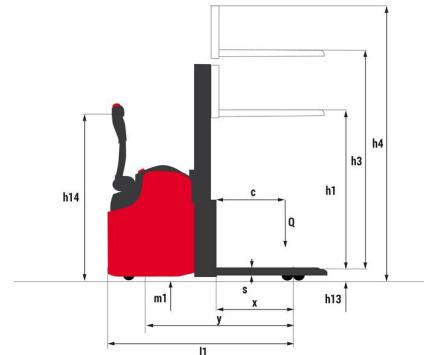
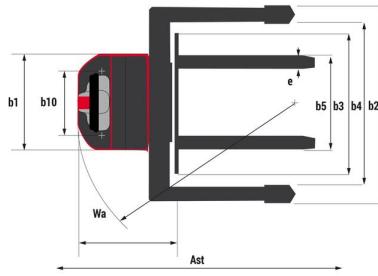
ES 720 4W



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	ES 720 4W	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	2000 kg	
1.6	Load center of gravity	600 mm	
1.8	Load distance, centre of drive axle to fork (low/raised) - Low position	690 mm	
1.9	Wheelbase	1194 mm	
Wheels		Polyurethane cushion	
3.1	Tires type	125 x (2x50)	
3.4	Size of castor wheels	5 / 4	
3.5	Number of front wheels / rear wheels	1	
3.5.2	Number of drive wheels	878 mm	
3.6	Front wheel gauge	1610 mm	
3.7	Rear wheel gauge		
Dimensions			
4.10	Height of wheel arms	h8	200 mm
4.15	Fork height in low position	h13	50 mm
4.19	Overall length	l1	1775 mm
4.20	Length to face of forks	l2	825 mm
4.21	Overall width	b1	1810 mm
4.22	Forks section / width / length	s / e / l	40 mm / 120 mm / 1150 mm
4.26	Distance between wheel arms/loading surfaces	b4	1450 mm
4.24	Fork carriage width	b3	1410 mm
4.32	Ground clearance at centre of wheelbase	m2	50 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2664 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2664 mm
4.35	Turning radius	Wa	1476 mm
4.9	Height tiller min. / max.	h14 / h14	1030 mm / 1490 mm
Performances			
5.1	Travel speed (laden / unladen)		6 km/h / 6 km/h
5.2	Lifting speed (laden / unladen)		0.14 m/s / 0.24 m/s
5.3	Lowering speed (laden / unladen)		0.30 m/s / 0.20 m/s
5.10	Service brake		Electro magnetic
Engine			
6.1	Drive motor rating S2 60 min		1.20 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 / 160 Ah
6.4.1	Battery max. capacity		250 A
6.5	Battery weight (+/- 5%)		165 kg
6.5.1	Battery max. weight		215 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

ES 720 4W - Dimensional drawing



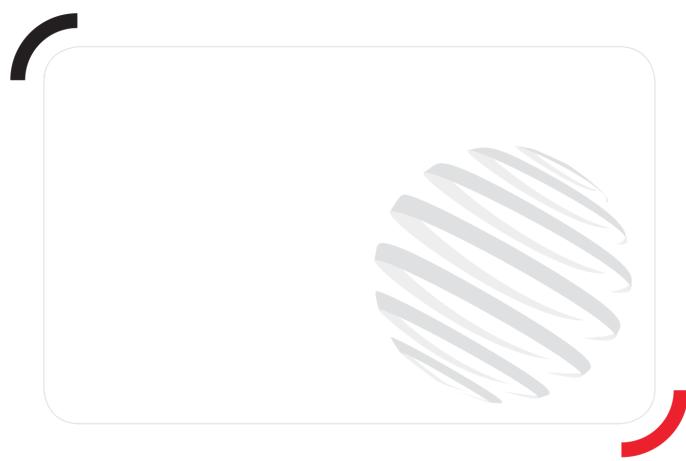
Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)	CCS 15	CCS 17
h1 - Mast lowered height mm	1939	2189
h3 - Mast lifting height mm	1466	1716
h4 - Mast extended height mm	1946	2196
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	1939	2189	2389
h3 - Mast lifting height mm	2896	3396	3796
h4 - Mast extended height mm	3376	2876	4276
Residual capacity at max height kg	2000	1800	1600
Height at max capacity mm	2940		

Free Lift Duplex (FLD)	FLD 29	FLD 34
h1 - Mast lowered height mm	1939	2189
h2 - Mast free lift mm	1466	1716
h3 - Mast lifting height mm	2891	3391
h4 - Mast extended height mm	3371	3871
Residual capacity at max height kg	2000	1700
Height at max capacity mm	2930	

Free Lift Triplex (FLT)	FLT 42
h1 - Mast lowered height mm	1897
h2 - Mast free lift mm	1426
h3 - Mast lifting height mm	4206
h4 - Mast extended height mm	4709
Residual capacity at max height kg	1300

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