Technical sheet :

ES 720 4W

MANITOU
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		Technical characteristics		Metric
1.1		Manufacturer		MANITOU
1.2		Model Name		ES 720 4W
1.3		Power source		Electrical
1.4		Operator type		Pedestrian
1.5		Max. capacity	Q	2000 kg
1.6		Load center of gravity	c	600 mm
1.8		Load distance, centre of drive axle to fork (low/raised) - Low position	x	690 mm
1.9		Wheelbase	y	1194 mm
		Wheels		
3.1		Tires type		Polyurethane
3.4		Dimensions of castor wheels		125 x (2x50)
3.5		Number of front wheels / rear wheels		5 / 4
3.5.2		Number of drive wheels		1
3.6		Front wheel gauge	b10	878 mm
3.7		Rear wheel gauge	b11	1610 mm
		Dimensions		
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
4.35		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
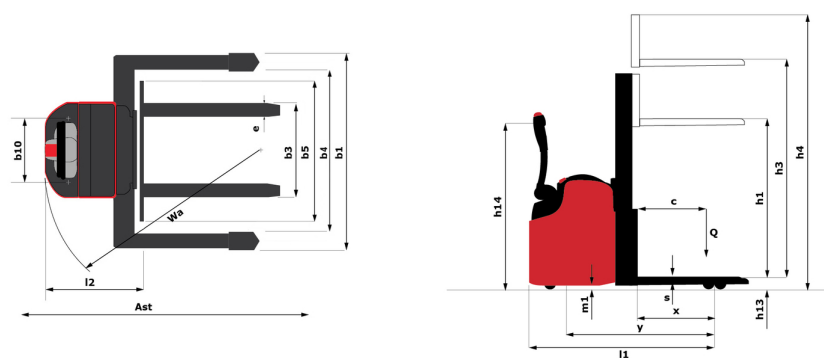
Characteristics of masts and residual capacities

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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