


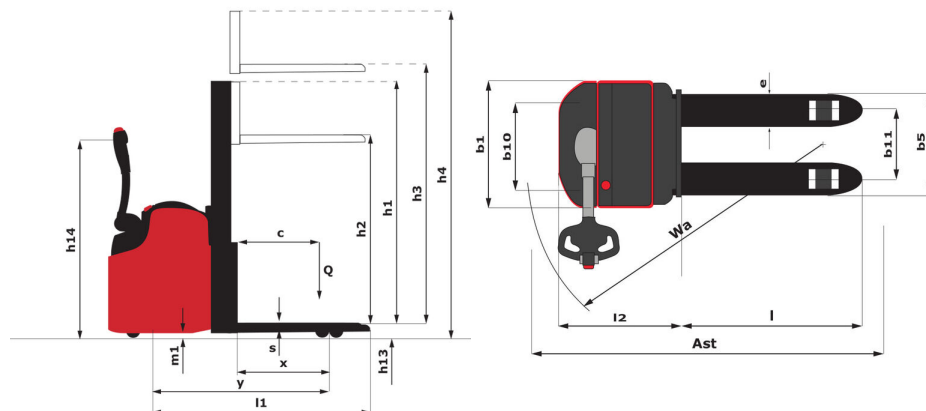
Technical sheet :

ES 720 4W

 ES 720 4W

Technical characteristics			Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		ES 720 4W
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	2000 kg
1.6	Load centre 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	Tyres type		Polyurethane
3.5.2	Number of drive wheels		1
3.4	Dimensions of castor wheels		125 x (2x50)
3.5	Number of front wheels / rear wheels		5 / 4
3.6	Front wheel gauge	b10	878 mm
3.7	Rear wheel gauge	b11	1610 mm
Dimensions			
4.9	Height tiller up min. / max.	h14 / h14	1030 mm / 1490 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	1370 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
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 / Batteries 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(A)

ES 720 4W - Dimensional drawing



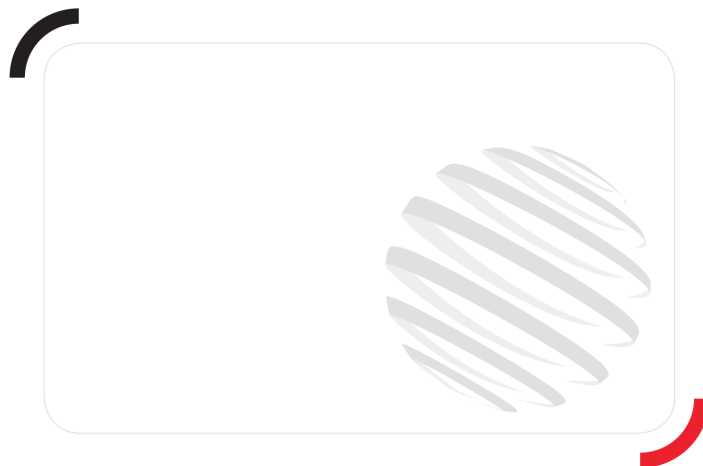
Characteristics of masts and residual capacities

Central Cylinder Simplex		CCS 15	CCS 17
h3 - Mast lifting height *	mm	1466	1716
h1 - Mast height lowered	mm	1939	2189
h4 - Mast height extended	mm	1946	2196
Residual capacity at max height	kg	2000	2000
Height at max capacity	mm	1510	1760

Full Visibility Duplex		FVD 29	FVD 34	FVD 38
h3 - Mast lifting height *	mm	2896	3396	3796
h1 - Mast height lowered	mm	1939	2189	2389
h4 - Mast height extended	mm	3376	2876	4276
Residual capacity at max height	kg	2000		
Height at max capacity	mm	2940		

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

Free Lift Triplex		FLT 42
h3 - Mast lifting height *	mm	4206
h2 - Mast free lift *	mm	1426
h1 - Mast height lowered	mm	1897
h4 - Mast height extended	mm	4709



Siège Social

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



This brochure describes versions and configuration options for Manitou products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. Manitou reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your Manitou dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of Manitou and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes