

Technical sheet :

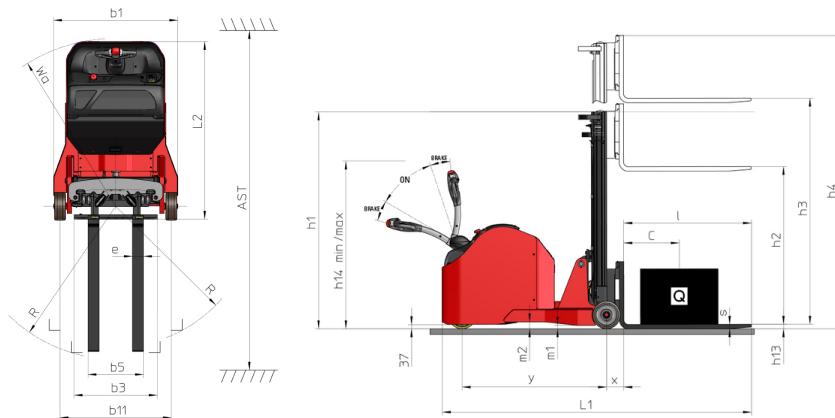
ES-C 720



 **MANITOU**
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Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	ES-C 720	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	2000 kg	
1.6	Load center of gravity	500 mm	
1.8	Distance from Load backrest to center of rear axle	157 mm	
1.9	Wheelbase	1470 mm	
Weight			
2.1	Service weight	2600 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	610 kg / 3985 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	1500 kg / 1100 kg	
Wheels			
3.1	Tires type	Polyurethane cushion	
3.3	Number of load wheels / Size of load wheels	2 / 250x100	
3.5	Number of front wheels / rear wheels	1 / 2	
3.5.2	Number of drive wheels / Size of drive wheels	1/254x100	
3.7	Rear wheel gauge	1003 mm	
Dimensions			
4.15	Fork height in low position	45 mm	
4.19	Overall length	2960 mm	
4.20	Length to face of forks	1810 mm	
4.21	Overall width	1120 mm	
4.22	Forks section / width / length	40 mm / 120 mm / 1150 mm	
4.24	Fork carriage width	750 mm	
4.31	Ground clearance below mast	31 mm	
4.32	Ground clearance at centre of wheelbase	62 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	3294 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	3402 mm	
4.35	Turning radius	1826 mm	
4.9	Height tiller min. / max.	1005 mm / 1405 mm	
Performances			
5.1	Travel speed (laden / unladen)	6 km/h / 6 km/h	
5.2	Lifting speed (laden / unladen)	0.11 m/s / 0.20 m/s	
5.3	Lowering speed (laden / unladen)	0.22 m/s / 0.21 m/s	
5.8	Max Gradeability (laden / unladen)	5 % / 8 %	
5.10	Service brake	Electro magnetic	
Engine			
6.1	Drive motor rating S2 60 min	2 kW	
6.2	Lift motor rating at S3 15%	4 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C	DIN 43535-B	
6.4	Battery voltage / capacity	24 V / 315 Ah	
6.5	Battery weight (+/- 5%)	275 kg	
Miscellaneous			
8.1	Type of drive control	DC	
8.4	Sound level at the driver's ear according to DIN 12 053	65 dB	

ES-C 720 - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)	CCS 15	CCS 17
α - Mast/fork carriage tilt, forward °	4	4
β - Mast/fork carriage tilt, backward °	6	6
h1 - Mast lowered height mm	1955	2205
h2 - Mast free lift mm	1465	1715
h3 - Mast lifting height mm	1465	1715
h4 - Mast extended height mm	2030	2280
Residual capacity at max height kg	2000	2000

Full Visibility Duplex (FVD)	FVD 29	FVD 34	FVD 38
α - Mast/fork carriage tilt, forward °	3	3	3
h1 - Mast lowered height mm	1955	2205	2405
h3 - Mast lifting height mm	2890	3390	3790
h4 - Mast extended height mm	3455	3955	4355
Residual capacity at max height kg	2000	2000	1600

Free Lift Duplex (FLD)	FLD 29	FLD 34
α - Mast/fork carriage tilt, forward °	4	4
β - Mast/fork carriage tilt, backward °	6	6
h1 - Mast lowered height mm	1955	2205
h2 - Mast free lift mm	1465	1715
h3 - Mast lifting height mm	2890	3390
h4 - Mast extended height mm	3455	3955
Residual capacity at max height kg	2000	2000

Free Lift Triplex (FLT)	FLT 42	FLT 47	FLT 54
α - Mast/fork carriage tilt, forward °	4	4	4
β - Mast/fork carriage tilt, backward °	6	6	6
h1 - Mast lowered height mm	1915	2075	2315
h2 - Mast free lift mm	1425	1585	1835
h3 - Mast lifting height mm	4205	4685	5415
h4 - Mast extended height mm	4770	5250	5980
Residual capacity at max height kg	1300	1050	850



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