

Technical sheet :

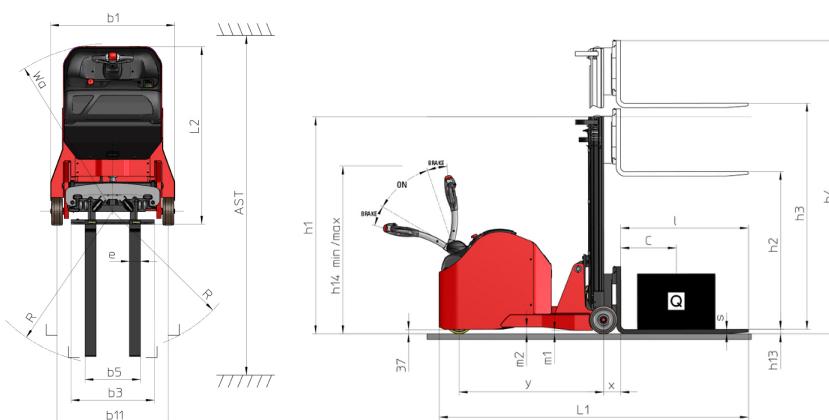
# ES-C 716



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	ES-C 716	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	1600 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	1300 mm	
<b>Weight</b>			
2.1	Service weight	2400 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	520 kg / 3460 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	1350 kg / 1050 kg	
<b>Wheels</b>			
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	
<b>Dimensions</b>			
4.15	Fork height in low position	45 mm	
4.19	Overall length	2790 mm	
4.20	Length to face of forks	1640 mm	
4.21	Overall width	1120 mm	
4.22	Forks section / width / length	40 mm / 100 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	3128 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	3236 mm	
4.35	Turning radius	1660 mm	
4.9	Height tiller min. / max.	1005 mm / 1405 mm	
<b>Performances</b>			
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	
<b>Engine</b>			
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	
6.4.1	Battery max. capacity	315 A	
6.5	Battery weight (+/- 5%)	275 kg	
6.5.1	Battery max. weight	300 kg	
<b>Miscellaneous</b>			
8.1	Type of drive control	AC	
8.4	Sound level at the driver's ear according to DIN 12 053	65 dB	

## ES-C 716 - Dimensional drawing



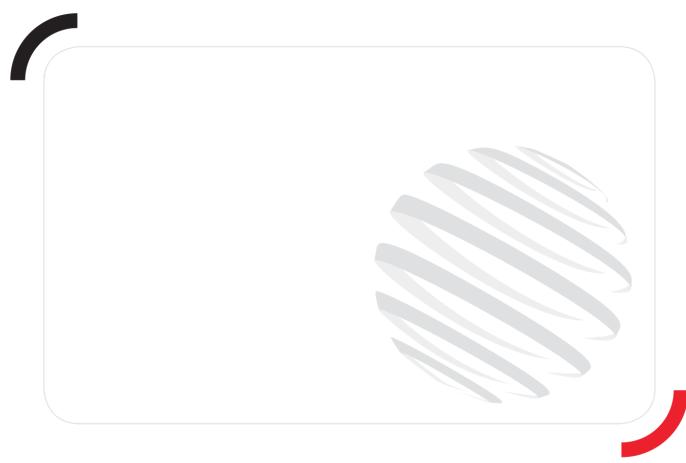
## Characteristics of masts and residual capacities

Central Cylinder Duplex (CCD)	CCD 29	CCD 34	CCD 38
α - Mast/fork carriage tilt, forward °	4	4	4
β - Mast/fork carriage tilt, backward °	6	6	6
h1 - Mast lowered height mm	1955	2205	2405
h2 - Mast free lift mm	1420	1420	1420
h3 - Mast lifting height mm	2900	3400	3800
h4 - Mast extended height mm	3400	3960	4360
Residual capacity at max height kg	1600	1600	1250

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	1420	1420
h3 - Mast lifting height mm	1500	1700
h4 - Mast extended height mm	2030000	2280
Residual capacity at max height kg	1600	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	1420	1420
h3 - Mast lifting height mm	2900	3400
h4 - Mast extended height mm	3460	3960
Residual capacity at max height kg	1600	1600

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	1420	1420	1420
h3 - Mast lifting height mm	4200	4700	5400
h4 - Mast extended height mm	4770	5250	5980000
Residual capacity at max height kg	1050	850	650



# **MANITOU**

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**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](http://www.manitou.com)



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